

Final

Technical Memorandum

Non-Time-Critical Removal Action Project Completion Summary Solid Waste Management Unit 3—Pier 10 Sandblast Yard and Solid Waste Management Unit 7b—Small Boats Sandblast Yard

Joint Expeditionary Base Little Creek Virginia Beach, Virginia

Contract Task Order WE65
September 2013

Prepared for

Department of the Navy
Naval Facilities Engineering Command
Mid-Atlantic

Under the

NAVFAC CLEAN 8012 Program Contract N62470-11-D-8012

Prepared by



Virginia Beach, Virginia

Contents

Acı	ronym	ns and Abbreviations	v
1	Intro	oduction	1-1
-	1.1	Document Organization	
	1.2	JEB Little Creek Description and Background	
	1.3	SWMU 3 Description and Background	
	1.4	SWMU 7b Description and Background	
	1.5	Project Objectives	
2	Rem	nediation Area Delineation	2-1
	2.1	Field Investigation Activities	
	2.2	Data Management and Evaluation	
		2.2.1 Data Qualifiers	
		2.2.2 Comparison Criteria	
	2.3	Remediation Area Delineation Results	
	2.4	Final Removal Action Areas	
3	Rem	oval Action Activities	3-1
	3.1	Pre-mobilization Coordination	
	3.2	Pre-Dredging Waste Characterization Sampling	3-1
	3.3	Mobilization and Site Preparation	3-2
		3.3.1 Dredge Plan Implementation	
	3.4	Dredging Activities	
		3.4.1 Dredging	3-2
		3.4.2 Transportation and Disposal	
		3.4.3 Backfill and Site Restoration	3-4
	3.5	Demobilization	3-4
4	Field	d Quality Control, Quality Assurance, and Safety Program Implementation	4-1
	4.1	Field Observations and Daily Reports	
	4.2	QA/QC Deviations for Action Implementation	
5	Sum	mary and Conclusions	5-1
6	Rofo	prences	6_1

Tables

- 1-1 SWMU 3 PRGs
- 1-2 SWMU 7b PRGs
- 2-1 SWMU 3 Remediation Area Delineation Results
- 2-2 SWMU 7b Remediation Area Delineation Results
- 3-1 SWMU 3 Construction Summary
- 3-2 SWMU 7b Construction Summary
- 3-3 Sand Backfill Data

Figures

- 1-1 Base Location Map
- 1-2 SWMU 3 Boundary and Immediate Vicinity
- 1-3 SWMU 7b Boundary and Immediate Vicinity
- 2-1 SWMU 3 Remediation Area Delineation Sample Locations
- 2-2 SWMU 7b Remediation Area Delineation Sample Locations
- 2-3 SWMU 3 Vertical Remediation Area Delineation Results
- 2-4 SWMU 7b Remediation Area Delineation Results
- 2-5 SWMU 3 Removal Action Area
- 2-6 SWMU 7b Removal Action Area
- 3-1 SWMU 3 Dredge Plan Implementation Primary Removal Grids and Removal Sub-grids
- 3-2 SWMU7b Dredge Plan Implementation Primary Removal Grids and Removal Sub-grids
- 3-3 SWMU 3 Sand Core Locations
- 3-4 SWMU 7b Sand Core Locations

Attachments

- A CH2M HILL Analytical Data
- B Data Validation Summaries
- C Daily Contractor Production Reports/Contractor Quality Control Reports
- D Quality Assurance Reports
- E Representative Project Photographs
- F Pre-construction Meeting Attendance Roster
- G Waste Approval Letter
- H McLean Documentation
- I Waste Manifests and Transportation and Disposal Documentation
- J Bathymetric Surveys

IV ES090512212538VBO

Acronyms and Abbreviations

ABM abrasive blast material

BETX benzene, ethylbenzene, toluene, and xylenes

bss below sediment surface

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CLEAN Comprehensive Long-Term Environmental Action

COC contaminant of concern CTO contract task order

DFOW definable feature of work

EE/CA engineering evaluation/cost analysis

EOX extractable organic halogens ERA Ecological Risk Assessment

ER-L effects range-low ER-M effects range-median

FEAD Facilities Engineering and Acquisition Division

HHRA Human Health Risk Assessment

IAS Initial Assessment Study IDW Investigation-derived Waste

JEB Joint Expeditionary Base

McLean Contracting Company

mg/kg milligrams per kilogram MILCON military construction

MS/MSD matrix spike/matrix spike duplicates

NAB Naval Amphibious Base

NAVFAC Naval Facilities Engineering Command NTCRA non-time-critical removal action

PCB polychlorinated biphenyls PEL probable effects level

PPE personal protective equipment PRG preliminary remediation goal

PVC polyvinyl chloride

QA quality assurance QC quality control

RCRA Resource Conservation and Recovery Act

RFA RCRA Facility Assessment
RI remedial investigation
ROD Record of Decision
RQ remediation quotient

RRRS Relative Risk Ranking System

SERA Screening Ecological Risk Assessment

SI Site Investigation

SRI supplemental remedial investigation SVOC semi-volatile organic compound

ES090512212538VBO V

SWMU solid waste management unit

TCE trichloroethene

TCLP toxicity characteristic leaching procedure

TCRA time-critical removal action
TEL threshold effects limit

TPH total petroleum hydrocarbon

USEPA U.S. Environmental Protection Agency

VDEQ Virginia Department of Environmental Quality

VOC volatile organic compound

yd³ cubic yard

VI ES090512212538VBO

Introduction

CH2M HILL was contracted by Naval Facilities Engineering Command (NAVFAC) Mid-Atlantic, under the terms and conditions of Contract N62470-11-D-8012, Contract Task Order (CTO) WE65, to provide Quality Assurance (QA) observation of the Non-Time-Critical Removal Action (NTCRA) activities at Solid Waste Management Unit (SWMU) 3—Pier 10 Sandblast Yard and SWMU 7b—Small Boats Sandblast Yard at Joint Expeditionary Base (JEB) Little Creek, Virginia Beach, Virginia.

The NTCRAs were conducted at SWMU 3 and SWMU 7b by the Navy and consisted of the dredge removal and disposal of contaminated sediment and backfill with clean sand material, as outlined in the SWMU 3 Engineering Evaluation/Cost Analysis (EE/CA) and SWMU 7b EE/CA (CH2M HILL, 2012; CH2M HILL, 2013). CH2M HILL provided data and information collected during construction QA observation of the NTCRAs to inform the Navy of conformity with the approved project plans/specifications and work progress. The NTCRAs action conducted by the McLean Contracting Company (McLean) consisted of the following actions observed by CH2M HILL:

- Mobilization and site preparation
- Mechanical dredging of contaminated sediment
- Onsite dewatering of sediment
- Erosion and sediment control
- Site restoration by backfilling with clean sand layer
- Demobilization

The purpose of this Technical Memorandum is to summarize NTCRAs and QA activities completed for the NTCRAs at SWMU 3 and SWMU 7b.

1.1 Document Organization

This Project Completion Summary Memorandum is organized into six sections and nine attachments:

Section 1.0 Introduction

Section 2.0 Remediation Area Delineation

Section 3.0 Removal Action Activities

Section 4.0 Field Quality Assurance

Section 5.0 Summary and Conclusions

Section 6.0 References

Pertinent information not contained in the body of the report is presented in the following appendices:

- Attachment A: CH2M HILL Analytical Data
- Attachment B: Data Validation Summaries
- Attachment C: Daily Contractor Production Reports/Contractor Quality Control Reports
- Attachment D: Quality Assurance Reports
- Attachment E: Representative Project Photographs
- Attachment F: Pre-construction Meeting Attendance Roster
- Attachment G: Waste Approval Letter
- Attachment H: McLean Documentation
- Attachment I: Waste Manifests and Transportation and Disposal Documentation
- Attachment J: Bathymetric Surveys

ES090512212538VBO 1-1

1.2 JEB Little Creek Description and Background

On October 1, 2009, Hampton Roads' first Department of Defense Joint Base was established. This new installation comprises the former Naval Amphibious Base (NAB) Little Creek and the former Army Post Fort Story; the new name is JEB Little Creek-Fort Story. With the formation of the new command, the Navy assumes responsibility for management of both properties and will now merge public meetings regarding the ongoing environmental restoration programs. However, separate records will be maintained to ensure the integrity of ongoing efforts at both properties. When required for public notices and distributions, the former bases are identified jointly as JEB Little Creek-Fort Story. For Environmental Restoration Program documents, the bases are referred to separately as JEB Little Creek or JEB Fort Story.

JEB Little Creek covers approximately 2,215 acres in the northwest portion of Virginia Beach, Virginia, adjacent to the Chesapeake Bay (Figure 1-1). The former NAB Little Creek began operations as a permanent base in 1946. The base's mission was the training of landing craft personnel for operational assignments. JEB Little Creek has expanded in both area and complexity of its mission over the past 65 years. Base personnel provide logistic facilities and support services for local commands, organizations, home-ported ships, and other U.S. and allied units to meet amphibious warfare—training requirements of the U.S. armed forces. Past and present operations at JEB Little Creek include vehicle and boat maintenance, boat painting and sandblasting, construction and repair of buildings and piers, mixing and application of pesticides, electroplating of musical instruments, laundry and dry cleaning, medical and dental treatment, and the generation of steam for heat. Land development surrounding the base includes residential, commercial, and industrial.

1.3 SWMU 3 Description and Background

SWMU 3, the Pier 10 Sandblast Yard, is located in a developed area on Little Creek Harbor's western side (**Figure 1-2**). SWMU 3 was used for sandblasting boats between 1962 and 1984 (Rogers, Golden, and Halpern 1984). Boats, anchors, and chains were sandblasted on a concrete pad located on the western side of Building 1263 between 1962 and 1995. In 1995, the concrete pad was taken out of service, and a new sandblasting area was constructed in the northwestern corner of the site. The use of this new area was discontinued in 1996 when sandblasting activities were moved to an indoor facility (CB 125). Little Creek Harbor is located east of the SWMU 3 historic sandblasting areas. A marina for base personnel is located south of SWMU 3 and Little Creek Channel, leading to the Chesapeake Bay, is located east of Little Creek Harbor. Little Creek Channel has been regularly dredged since 1928, and in 1995 approximately 2 to 5 feet of sediment were removed from the area around Pier 10.

Historical releases from SWMU 3 likely occurred from accumulation of sandblasting residue lying directly on the ground surface. Prior to 1993, runoff from sandblasting operations occurred as sheet flow to Little Creek Harbor. In 1993, a catch basin was constructed that transported surface water drainage to a permitted outfall (Outfall 008) (Permit Number VA0079928) discharging to Little Creek Harbor (Figure 1-2). Under the permit, Outfall 008 has no monitoring requirements. Runoff from some areas of SWMU 3 may continue to flow directly into the harbor.

Previous investigations conducted at SWMU 3 include an Initial Assessment Study (IAS) (RGH, 1984), Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) (A. T. Kearney, 1989), Relative Risk Ranking System (RRRS) (Baker, 1996), Site Investigation (SI) (CH2M HILL, 1999), Screening Ecological Risk Assessment (SERA) (CH2M HILL, 2000), Remedial Investigation (RI)/Human Health Risk Assessment (HHRA)/Ecological Risk Assessment (ERA) (CH2M HILL, 2005), and Supplement Remedial Investigation (SRI) (CH2M HILL, 2009). Investigation activities have included the sampling and analysis of all site media (soil, groundwater, surface water, and sediment). The presence of petroleum in subsurface sediment was noted in the SRI. No potentially unacceptable risks to human health from exposure to soil, surface water, or sediment were identified. Although no potentially unacceptable site-wide risk was identified from exposure to soil, localized areas of elevated lead concentrations [>400 milligrams per kilogram (mg/kg)] were identified, primarily along the rip-rap shoreline. No potentially unacceptable risk associated with direct exposure or potable use of groundwater was identified. No current vapor intrusion pathway is present at SWMU 3. Potentially unacceptable risks associated with

1-2 ES090512212538VBO

trichloroethene (TCE) and vinyl chloride were identified based on maximum detected concentrations of volatile organic compounds (VOCs) in groundwater. However, calculated risks were representative of site conditions in 2007. Based upon CSM considerations, and proximity of elevated TCE and vinyl chloride concentrations to the adjacent shoreline, elevated concentrations of these chemicals are expected to have undergone natural biodegradation, as well as advection with groundwater flow, and have discharged to Little Creek Harbor since 2007. As a result, calculated risks are likely an overestimation of actual potential risks; therefore, the Navy and U.S Environmental Protection Agency (USEPA), in consultation with Virginia Department of Environmental Quality (VDEQ), agreed that no action is warranted to address vapor intrusion at SWMU 3(CH2M HILL, 2013a).

There are no potentially unacceptable ecological risks from exposure to soil, groundwater, or surface water at SWMU 3. Potentially unacceptable risks to lower-trophic-level receptors from exposure to copper, lead, nickel, tin, and zinc in sediment were identified.

1.4 SWMU 7b Description and Background

SWMU 7 is located at the intersection of Intercove Road and Signal Point Road in the north-central portion of the Base (**Figure 1-3**). As a result of previous investigations conducted at the site, the Navy, in partnership with USEPA and VDEQ, agreed to separate the terrestrial and aquatic portions of SWMU 7 into SWMUs 7a and 7b, respectively. SWMU 7a addresses groundwater and soil, and SWMU 7b addresses Desert Cove surface water and sediment (**Figure 1-3**). Following an Interim Removal Action in September 2004 to address lead-contaminated soil, the Navy, in partnership with the USEPA and the VDEQ, agreed that no further action was required for SWMU 7a, and a Record of Decision (ROD) was signed in June 2005 (Navy, 2005).

SWMU 7 was used to sandblast and paint ships until 1996, when sandblasting activities were moved to an indoor facility (CB-125). Approximately 4,000 cubic yards (yd³) of spent abrasive blast material (ABM) generated between 1960 and 1982 were stored in open piles in the construction footprint of CB-125 and in the area of CB-317 and CB-318. No release controls were identified at SWMU 7; therefore, spent ABM was historically released to the surrounding soils and Desert Cove.

SWMU 7b consists of Desert Cove and the Connector Channel, which connects the site to Little Creek Channel and ultimately the Chesapeake Bay. SWMU 7b is a tidal marine environment that receives stormwater runoff or process water discharged through 22 outfalls (11 non-regulated stormwater, 8 regulated stormwater, and 3 regulated process water) surrounding the Desert Cove. All drainage to the cove is from on-Base areas, consisting mainly of stormwater from building rooftops and asphalt parking areas. Due to the configuration of the entrance channel to the Desert Cove relative to Little Creek Channel, the sediment deposition rate within the cove is low.

The entire shoreline of SWMU 7b consists of rip-rap and bulkhead. In 2008, a Military Construction (MILCON) action was completed which demolished and replaced Piers 44 through 51, constructed a new quaywall along the eastern and southern edges of the cove, and dredged limited areas surrounding the former piers. Prior to the MILCON action, the area was last dredged in 1953.

Previous investigations conducted at SWMU 7 (as SWMU 7, SWMU 7a, and SWMU 7b) include an IAS (RGH, 1984), RFA (A. T. Kearney, 1989), RRRS (Baker, 1996), SI (CH2M HILL, 1999), SERA (CH2M HILL, 2000), RI/ HHRA/ERA (CH2M HILL, 2005), and Post-MILCON Action Evaluation (CH2M HILL, 2012). No potentially unacceptable risks to human health from exposure to sediment were identified. Because of the tidal nature of the water body and 22 outfalls (19 stormwater and 3 process water) surrounding the cove, any contamination detected in the surface water of the cove may or may not be associated with SWMU 7; therefore, surface water was not evaluated in the HHRA and ERA. Potential ecological risks were identified associated with constituent transport via groundwater to Desert Cove, although the ERA concluded that groundwater is not a significant transport route from the site to the Desert Cove system. Potentially unacceptable risks to lower-trophic-level receptors from exposure to copper, lead, mercury, and zinc in sediment were identified.

ES090512212538VBO 1-3

1.5 Project Objectives

The objectives of the SWMU 3 and SWMU 7b NTCRAs were to reduce or eliminate contaminants determined to pose potential unacceptable risk to ecological receptors in sediment at each site and to achieve long-term site remediation to be protective of human health and the environment. The removal action objectives associated with completion of the SWMU 3 and SWMU 7b NTCRAs were as follows:

- SWMU 3: Reduce concentrations of copper, lead, nickel, tin, and zinc in sediment surrounding the floating dry dock and anchoring system, such that concentrations do not pose unacceptable risk to ecological receptors.
- SWMU 7b: Reduce concentrations of copper, lead, mercury, and zinc in sediment, such that remaining concentrations do not pose unacceptable risk to ecological receptors.

The preliminary remediation goals (PRGs) for SWMU 3 and SWMU 7 are presented in **Tables 1-1** and **1-2**. Development of the PRGs is described in detail in the EE/CAs for SWMU 3 (CH2M HILL, 2012) and SWMU 7b (CH2M HILL, 2013b) and summarized below.

For SWMU 3, regression equations developed based on correlations between ABM content and metals contaminant of concern (COC) concentrations, along with consideration of site-specific background concentrations and literature-based sediment effect levels (effects range-low [ER-L], effects range-median [ER-M], threshold effects level [TEL], and probable effects level [PEL]), were used to define the sediment PRGs for the five primary COCs (Table 1-1). The PRGs for copper, lead, and tin were based upon the regression equations (at 1 percent ABM); none of these PRGs exceeded the ER-M (where available) and all were comparable to the maximum background concentration. The PRG for nickel was set at the maximum background concentration because maximum background exceeded the regression-derived value and was below the ER-M. For zinc, the ER-M was selected as the PRG because the regression-derived value exceeded all effects-based criteria. It should be noted, however, that the maximum background value for zinc also exceeded the ER-M.

For SWMU 7b, because the amount of ABM in sediment was not quantified, no correlation between ABM and metals COC concentrations at SWMU 7b was established. However, based upon the similarity of SWMU 3 and SWMU 7b, and the urban nature of Desert Cove, PRGs were established as the NOAA ER-M screening value (**Table 1-2**). Because ABM itself is not toxic and does not pose risk to the environment, the presence of ABM in sediment does not drive the need for action at either site.

The objectives of the QA observation for the NTCRAs were to document that, through daily observation, the methods, procedures, and frequency of inspection and testing activities for the dredge removal of sediment in SWMU 3 and SWMU 7b were conducted in accordance with the requirements set forth in the project specifications.

1-4 ES090512212538VBO

TABLE 1-1 SWMU 3 PRGs

сос	PRG
Copper	232
Lead	107
Nickel	26.5
Tin	11.2
Zinc	410

Notes:

COC - contaminant of concern

PRG - preliminary remediation goal

TABLE 1-2 SWMU 7b PRGs

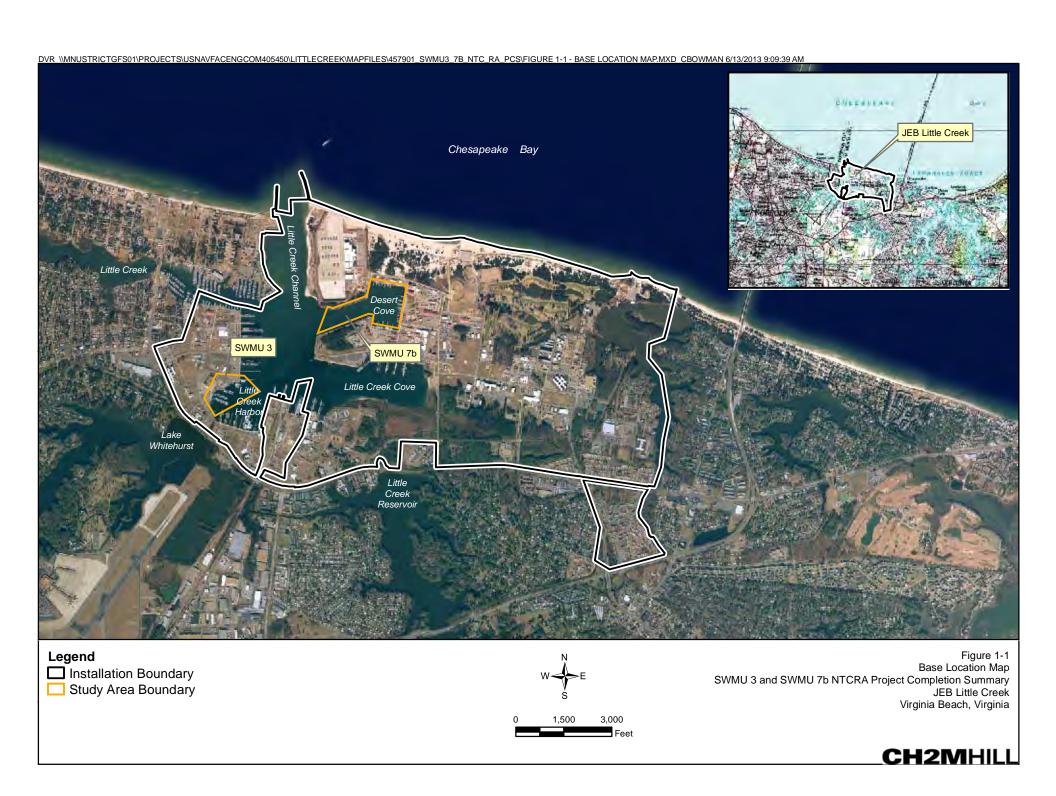
сос	PRG
Copper	270
Lead	218
Mercury	0.71
Zinc	410

Notes:

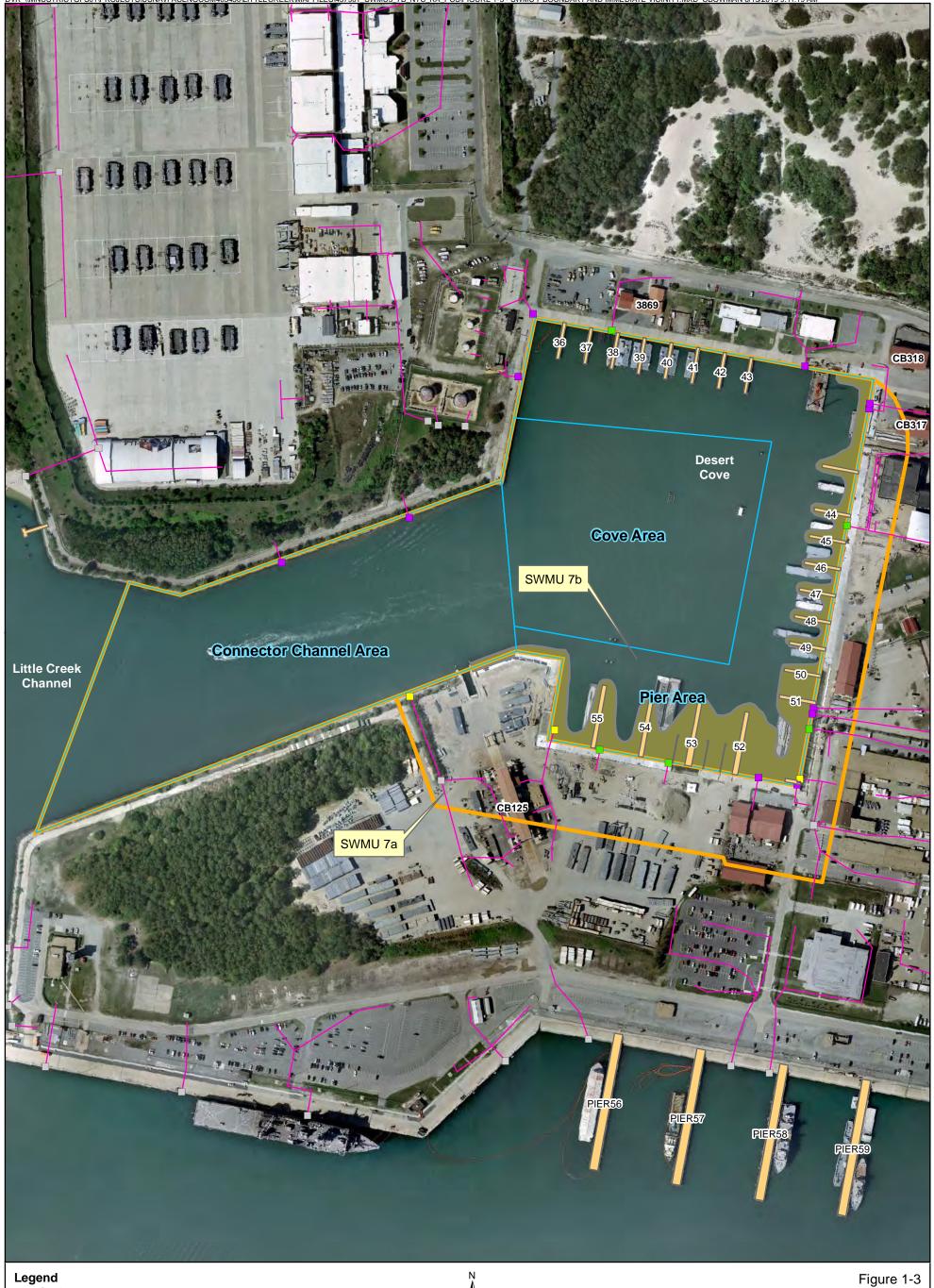
COC - contaminant of concern

PRG - preliminary remediation goal

ES090512212538VBO 1-5







- Cegena
 Outfall
- Combined Regulated Storm/Process Water Outfall
- Non-Regulated Stormwater Outfall
- Regulated Stormwater Outfall
- ___ Storm Sewer Line
- Study Area Boundary
 Area Boundary Line
- Limits of 2008 MILCON Dredge



300

Feet

Figure 1-3 SWMU 7 Boundary and Immediate Vicinity SWMU 3 and SWMU 7b NTCRA Project Completion Summary JEB Little Creek Virginia Beach, Virginia



Remediation Area Delineation

Pre-NTCRA sediment sampling was conducted by CH2M HILL at SWMU 3 and SWMU 7b in December 2012 in accordance with the Draft Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan, SWMU 3—Pier 10 Sandblast yard and SWMU 7b—Small Boats Sandblast yard (Desert Cove) (October 2012), subsequently finalized in March 2013. As documented in the SWMU 3 EE/CA (CH2M HILL, 2012), surface sediment data collected during the SI, RI, SRI, 2009 pre-feasibility study sampling, and 2010 benthic invertebrate investigation were used to delineate the final lateral remediation area boundary for SWMU 3 as depicted on Figure 2-1. The primary objective of pre-NTCRA sediment sampling at SWMU 3 was to delineate the vertical extent of metals contamination in sediment requiring remediation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A secondary objective of the SWMU 3 investigation was to confirm the depth and thickness (if feasible) of the petroleum-like material, not related to CERCLA activities, within the remediation area boundary for consideration during execution of the SWMU 3 NTCRA.

As documented in the SWMU 7b EE/CA (CH2M HILL, 2013), surface sediment data collected within the Pier Area as part of the SI, RI, and post-MILCON action investigation were used to delineate the preliminary lateral remediation area boundary for SWMU 7b as depicted on **Figure 2-2**. Based upon existing data, three grid cells were proposed for risk management. The primary objective of pre-NTCRA sediment sampling at SWMU 7b was to delineate the lateral and vertical extent of metals contamination in sediment requiring remediation under CERCLA.

2.1 Field Investigation Activities

Composite surface (SWMU 7b only) and subsurface sediment samples were collected using vibracore technology. Sample locations are depicted on Figure 2-1 and Figure 2-2. Three, 6-foot cores were collected from within each 100 x 100-foot grid cell and logged in the field notebook. At SWMU 3, each core was visually inspected for the presence of a petroleum-like material. Composite subsurface sediment samples were collected for each grid cell in 6-inch-intervals (12 to 18 inches, 24 to 30 inches, 36 to 42 inches, 48 to 54 inches, and 60 to 66 inches below sediment surface [bss]). Within SWMU 7b grid cells (station IDs LW07-SD501, LW07-SD502, LW07-SD503, LW07-SD504), composite surface sediment (0 to 6 inches bss) samples were also collected. Grab sediment samples were collected from the three corresponding sediment cores in each grid cell and respective depth intervals were homogenized. All samples were collected in laboratory-prepared bottleware, packed on ice, and shipped to a pre-approved subcontracted laboratory each day. Appropriate quality QA/QC sampling was conducted according to Navy Comprehensive Long-Term Environmental Action (CLEAN) and CH2M HILL protocols, including duplicates, equipment blanks, and matrix spike/matrix spike duplicates (MS/MSDs). SWMU 3 sediment samples were analyzed for site-specific COCs copper, lead, nickel, tin, and zinc. SWMU 7b sediment samples were analyzed for site-specific COCs copper, lead, mercury, and zinc. Initially, the shallowest sample interval from each grid cell was analyzed and all subsequent sample depths placed on hold by the laboratory. Subsequent sample depths were only analyzed if the overlying sample depth failed cleanup criteria. All samples were analyzed on a 24-hour turnaround time. Raw analytical data are provided in Attachment A.

Sample location coordinates were collected using a global positioning system provided by the vibracore subcontractor, Athena Technologies, Inc. Investigation-derived waste (IDW) generated during investigation activities consisted of excess sediment core material. IDW was containerized in a lined, 20 ton roll-off container staged onsite, which was properly labeled. Based on the disposal characterization analytical results, non-hazardous wastes were identified and disposed of offsite at an approved disposal facility. Disposable equipment, including personal protective equipment (PPE), core liners, and paper towels, were disposed of as solid waste.

ES090512212538VBO 2-1

2.2 Data Management and Evaluation

Data management and tracking, from the time of field collection to receipt of validated electronic analytical results, are of primary importance and reflect the overall quality of analytical results. Field samples and their corresponding analytical tests were recorded on chain-of-custody forms, which were submitted with the samples to the offsite laboratory. Chain-of-custody entries were checked against the site-specific project instructions and work plans to verify that all designated field samples were collected and submitted for the appropriate analysis. Upon receipt of the samples by the laboratories, a comparison to the field information was conducted to verify that each sample was analyzed for the correct parameters and appropriate QA/QC samples were collected.

2.2.1 Data Qualifiers

Analytical data reports for sediment samples analyzed for select metals were submitted in hardcopy and electronic format for internal data validation. Procedures used for validation were *Region III Modifications to Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analysis* (USEPA, 1993). Analytical data are provided in **Attachment A**, and the data validation summaries are provided in **Attachment B**.

The data validation qualifiers, or flags, used for the data are the following:

- Data qualified with a "B" flag by the data validator indicates the analytes have also been detected in a field, equipment, or trip blank or in a laboratory QA/QC sample. The concentration of a B-qualified result is less than 5 times the concentration of the constituent for an associated QA/QC result. If the sample concentration is less than 5 times the associated blank concentration, the conclusion is that the parameter was not detected. Potential sources of blank contamination are discussed in Section 2.2.2.
- Data qualified with a "J" flag indicates the analyte is present, but the value is estimated.
- Data qualified with a "K" flag indicates the analyte is present, but the reported value may be biased high and the actual value is expected to be lower.
- Data qualified with an "L" flag indicates the analyte is present, but the reported value may be biased low and the actual value is expected to be higher.
- Data qualified with a "U" flag indicated the analyte was not detected above the reported laboratory detection limit.

2.2.2 Comparison Criteria

Laboratory and Sample Blank Contamination

In some instances, constituents detected in samples may have been introduced during field sampling, transportation to the analytical laboratory, or during laboratory procedures. A variety of blank samples were analyzed and used in the QA/QC process to determine which of the constituents may or may not have been attributed to the field sample.

Equipment and rinsate blanks were collected to determine if the equipment used to collect the samples (such as core liners and sample containers) was adequately clean. In addition, the laboratory analyzed method blanks in each batch of 20 samples were reviewed to verify instrument cleanliness and function.

To determine if a "B" qualifier should be assigned to a solid sample, unit conversions were performed, whereby solid sample concentrations relative to aqueous laboratory blank concentrations were calculated by dividing the solid concentration by the fraction of moisture, then dividing the result by the preparation factor. When blank samples were found to contain contaminants, each of the solid field samples associated with that blank that contained up to 5 times the concentrations in the blanks were qualified during data validation with a "B" for that compound. A "B" qualifier means that the compound concentration may be attributed to contamination from the field or lab.

2-2 ES090512212538VBO

Preliminary Remediation Goals

Sediment metals results were compared to the previously established PRGs presented in **Tables 1-1** and **1-2** to define the final remediation areas for SWMU 3 (vertical) and SWMU 7b (lateral and vertical). To define final remediation areas, individual site-specific COC remediation quotients (RQs) were calculated for each grid cell as the ratio of the sediment concentration to the site-specific PRG. A grid cell and corresponding vertical depth interval was defined as requiring action if the RQ for one or more individual COC exceeded 1.5 and the average RQ for the site-specific COCs exceeded 1.

2.3 Remediation Area Delineation Results

Sample results and calculated RQ values for SWMU 3 and SWMU 7b are provided in **Tables 2-1 and 2-2** and depicted on **Figures 2-3 and 2-4**, respectively. RQs calculated for surface sediment samples collected within grid cells (station IDs LW07-SD501, LW07-SD502, LW07-SD503, LW07-SD504) at SWMU 7b passed cleanup criteria; therefore, remediation within these grid cells is not required and respective subsurface sediment samples were not analyzed. With the exception of grid cell SD609A at SWMU 3, final remediation depths for each grid cell were defined as presented on **Tables 2-1** and **2-2**. As noted on **Table 2-1**, the final sample depth (60 to 66 inches bss) at grid cell SD609A failed cleanup criteria. Because the vibracore subcontractor had demobilized prior to obtaining these data, an additional 6-foot sediment core was unable to be obtained.

2.4 Final Removal Action Areas

In establishing the areas to be addressed as part of the SWMU 3 and SWMU 7b NTCRAs, the following logistical and engineering challenges were identified for each site:

SWMU 3

- Per facility direction, sediment cannot be dredged within 50 feet of bulk-head shoreline, 10 feet of piers,
 and 20 feet of shoreline revetment without the potential for structural impacts to these features.
- The current elevation of the harbor floor cannot be raised.
- Recreational marina piers are in poor condition and would likely require replacement if action is taken in close proximity.

SWMU 7b

- Per facility direction, sediment cannot be dredged within 5 feet of bulk-head shoreline and 10 feet of piers, without the potential for structural impacts to these features.
- The elevation of the cove floor cannot be raised above -10 JEB Little Creek Station Vertical Datum (-11.06 mlw).
- Following dredging, the cove floor elevation must be reestablished at no less than -10 JEB Little Creek
 Station Vertical Datum.

Based upon these considerations and remediation area delineation sampling results, the final removal areas and contract depths for the SWMU 3 and SWMU 7b NTCRAs are depicted on **Figure 2-5 and Figure 2-6**, respectively. For grid cell 1 (LW03-SD609A) at SWMU 3, the Navy, in partnership with USEPA and the VDEQ, agreed that removal of 4 feet of sediment (consistent with adjacent removal grid cell 2), followed by placement of 2 feet of sand, would meet the removal action objective and no further action would be required within the removal area.

ES090512212538VBO 2-3

TABLE 2-1

SWMU 3 Remediation Area Delineation Results

Grid Station ID	Sample ID	Sample Depth (inches bss)	Copper	RQ	Lead	RQ	Nickel	RQ	Tin	RQ	Zinc	RQ	Average RQ	Required Final Remediation Depth
LW03-SD608	LW03-SD608-1218-12D	12-18	17.9	0.08	15 J	0.14	5.13 J	0.19	2.68 B	0.24	50.2 L	0.12	0.15	0
	LW03-SD609A-1218-12D	12-18	1320	5.69	761	7.11	167	6.30	161	14.38	3100	7.56	8.21	
	LW03-SD609A-2430-12D	24-30	830	3.58	820	7.66	208	7.85	221	19.73	3600	8.78	9.52	
LW03-SD609A	LW03-SD609A-3642-12D	36-42	214	0.92	213	1.99	46.1	1.74	39.2 J	3.50	694	1.69	1.97	4
	LW03-SD609A-4854-12D	48-54	424	1.83	376	3.51	93.1 L	3.51	82.8 L	7.39	1510	3.68	3.99	
	LW03-SD609A-6066-12D	60-66	236	1.02	208 L	1.94	42.7 K	1.61	41.1 L	3.67	788	1.92	2.03	
	LW03-SD614-1218-12D	12-18	168	0.72	100	0.93	18.6 J	0.70	16.1 B	1.44	395	0.96	0.95	
LW03-SD614	LW03-SD614P-1218-12D	12-18	219	0.94	137	1.28	33.7 J	1.27	26.6 J	2.38	554	1.35	1.44	0
	LW03-SD614-2430-12D	24-30	32.8	0.14	22.8 J	0.21	8.56	0.32	2.28 B	0.20	79.9	0.19	0.22	
	LW03-SD616-1218-12D	12-18	516	2.22	548	5.12	140 L	5.28	141 L	12.59	2330	5.68	6.18	
LW03-SD616	LW03-SD616-2430-12D	24-30	248	1.07	233	2.18	36.4	1.37	28.9 J	2.58	562	1.37	1.71	4
FM03-2D010	LW03-SD616-3642-12D	36-42	171 L	0.74	150 L	1.40	18.8	0.71	20 J	1.79	415	1.01	1.13	4
	LW03-SD616-4854-12D	48-54	7.89	0.03	9.17 J	0.09	5.43	0.20	0	0.00	29.1	0.07	0.08	
LW03-SD620	LW03-SD620-1218-12D	12-18	120	0.52	1490	13.93	19	0.72	5.18 B	0.46	402	0.98	3.32	0
LW05-3D020	LW03-SD620-2430-12D	24-30	71.7	0.31	40.1	0.37	16.1	0.61	3.12 B	0.28	164	0.40	0.39	U
LW03-SD621	LW03-SD621-1218-12D	12-18	133	0.57	122	1.14	15.5	0.58	7.21 B	0.64	297	0.72	0.73	0
	LW03-SD622-1218-12D	12-18	288	1.24	295	2.76	46.5	1.75	46.0	4.11	927	2.26	2.42	
LW03-SD622	LW03-SD622P-1218-12D	12-18	285	1.23	282	2.64	33.4	1.26	36.9 J	3.29	933	2.28	2.14	2
LW03-3D022	LW03-SD622-2430-12D	24-30	161	0.69	155	1.45	32.7	1.23	21.6 J	1.93	434	1.06	1.27	3
	LW03-SD622-3642-12D	36-42	16.6	0.07	16.5 J	0.15	16.5	0.62	1.74 B	0.16	70.7	0.17	0.24	
	LW03-SD623-1218-12D	12-18	166	0.72	219	2.05	54.2	2.05	41.9 J	3.74	865	2.11	2.13	
LW03-SD623	LW03-SD623-2430-12D	24-30	183	0.79	128	1.20	30.4	1.15	25.5 J	2.28	489	1.19	1.32	3
	LW03-SD623-3642-12D	36-42	11.5	0.05	11.7 J	0.11	10.2	0.38	3.39 B	0.30	47.4	0.12	0.19	
LW03-SD627	LW03-SD627-1218-12D	12-18	233	1.00	113	1.06	27.1	1.02	9.98 B	0.89	500	1.22	1.04	0
LW03-SD628	LW03-SD628-1218-12D	12-18	193	0.83	167	1.56	42.8	1.62	23.2 J	2.07	701	1.71	1.56	2
LW03-3D028	LW03-SD628-2430-12D	24-30	62.8	0.27	33.4	0.31	13.2	0.50	3.42 B	0.31	131	0.32	0.34	2
LW03-SD629	LW03-SD629-1218-12D	12-18	91.1	0.39	233	2.18	19.8	0.75	16.5 J	1.47	377	0.92	1.14	2
LW03 3D023	LW03-SD629-2430-12D	24-30	21.1	0.09	16 J	0.15	4.96	0.19	1.97 B	0.18	44.8	0.11	0.14	2
LW03-SD633	LW03-SD633-1218-12D	12-18	153	0.66	70.1	0.66	23	0.87	7.45 B	0.67	310	0.76	0.72	1
LW03-SD634	LW03-SD634-1218-12D	12-18	274 L	1.18	122 L	1.14	18.8	0.71	8.43 B	0.75	407 L	0.99	0.96	1
LW03-SD635	LW03-SD635-1218-12D	12-18	834	3.59	787	7.36	147	5.55	231	20.63	2370	5.78	8.58	2
21103 32033	LW03-SD635-2430-12D	24-30	76.2	0.33	56.7	0.53	23.2	0.88	6.06 B	0.54	260	0.63	0.58	
LW03-SD637	LW03-SD637-1218-12D	12-18	69.5	0.30	38.6	0.36	17.5	0.66	3.86 B	0.34	164 K	0.40	0.41	1
	LW03-SD640-1218-12D	12-18	147	0.63	142	1.33	15.2	0.57	8.5 B	0.76	1320 J	3.22	1.30	
LW03-SD640	LW03-SD640P-1218-12D	12-18	188	0.81	116	1.08	16.8	0.63	8.68 B	0.78	378 J	0.92	0.85	3
2.705 55040	LW03-SD640-2430-12D	24-30	215	0.93	127	1.19	22.9	0.86	15.2 J	1.36	666	1.62	1.19	
	LW03-SD640-3642-12D	36-42	142	0.61	131	1.22	20.6	0.78	5.81 B	0.52	300	0.73	0.77	
	LW03-SD641-1218-12D	12-18	524	2.26	240	2.24	62.9	0.59	62.5 J	5.58	1050	2.56	2.65	
LW03-SD641	LW03-SD641-2430-12D	24-30	193	0.83	139	1.30	64.3	0.60	45.2	4.04	495	1.21	1.59	3
	LW03-SD641-3642-12D	36-42	47.4	0.20	32.3	0.30	8.4	0.08	3.07 B	0.27	165	0.40	0.25	
LW03-SD645	LW03-SD645-1218-12D	12-18	46.3	0.20	27	0.25	12.2	0.11	2.34 B	0.21	106	0.26	0.21	1

TABLE 2-1

SWMU 3 Remediation Area Delineation Results

		Sample Depth												Required Final
Grid Station ID	Sample ID	(inches bss)	Copper	RQ	Lead	RQ	Nickel	RQ	Tin	RQ	Zinc	RQ	Average RQ	Remediation Depth
	LW03-SD647-1218-12D	12-18	719 J	3.10	101 J	0.94	22.7 J	0.86	11.9 B	1.06	556 J	1.36	1.46	
LW03-SD647	LW03-SD647P-1218-12D	12-18	362 J	1.56	217 J	2.03	49.3 J	1.86	45.8 J	4.09	962 J	2.35	2.38	2
LVV03-3D047	LW03-SD647-2430-12D	24-30	57.8 L	0.25	2550	23.83	9.34	0.35	7.34 B	0.66	1040	2.54	5.53	3
	LW03-SD647-3642-12D	36-42	50.1 L	0.22	41.5	0.39	13.1	0.49	4.68 B	0.42	157 L	0.38	0.38	
LW03-SD649	LW03-SD649-1218-12D	12-18	146 K	0.63	94 K	0.88	18.3	0.69	7 B	0.63	349 K	0.85	0.73	1
LW03-SD655	LW03-SD655-1218-12D	12-18	145	0.63	126	1.18	21.8	0.82	6.48 B	0.58	300	0.73	0.79	1

Notes:

The full reported B qualified value was used to determine The RQs.

bss - below sediment surface

COC - contaminant of concern

RQ - remediation quotient

Blue highlight indicates excedance of individual COC cleanup criteria (RQ > 1.5)

Purple highlight indicates exsceedance of COC average cleanup critieria (RQ >1)

TABLE 2-2 SWMU 7b Remediation Area Delineation Results

		Sample Depth										Required Final
Grid	Sample ID	(inches bss)	Copper	RQ	Lead	RQ	Mercury	RQ	Zinc	RQ	Average RQ	Remediation Depth
	LW07-SD501-1218-12D	12-18	237 J	0.88	480 J	2.20	0.641 K	0.90	730	1.78	1.44	
LW07-SD501	LW07-SD501P-1218-12D	12-18	136 J	0.50	154 J	0.71	1.18 J	1.66	874	2.13	1.25	2
	LW07-SD501-2430-12D	24-30	27.9	0.10	24.3 J	0.11	0.315	0.44	146	0.36	0.25	
LW07-SD502	LW07-SD502-1218-12D	12-18	133	0.49	278	1.28	0.434	0.61	770	1.88	1.06	2
LW07-3D302	LW07-SD502-2430-12D	24-30	75.2	0.28	213	0.98	0.671	0.95	562	1.37	0.89	2
LW07-SD503	LW07-SD503-1218-12D	12-18	63.7	0.24	297	1.36	0.293	0.41	465	1.13	0.79	1
LW07-SD504	LW07-SD504-1218-12D	12-18	109	0.40	71.4	0.33	0.408	0.57	365	0.89	0.55	1
LW07-SD505	LW07-M3-SD505-0006-12D	12-18	91	0.34	95.6	0.44	0.963	1.36	414	1.01	0.79	0
LW07-3D303	LW07-M3-SD505P-0006-12D	12-18	102	0.38	125	0.57	0.566	0.80	550	1.34	0.77	U
LW07-SD506	LW07-L5-SD506-0006-12D	12-18	43.5	0.16	88.7 L	0.41	0.263 J	0.37	219 L	0.53	0.37	0
LW07-SD507	LW07-SD507-0006-12D	12-18	55.3	0.20	39.6	0.18	0.241	0.34	242	0.59	0.33	0

Notes:

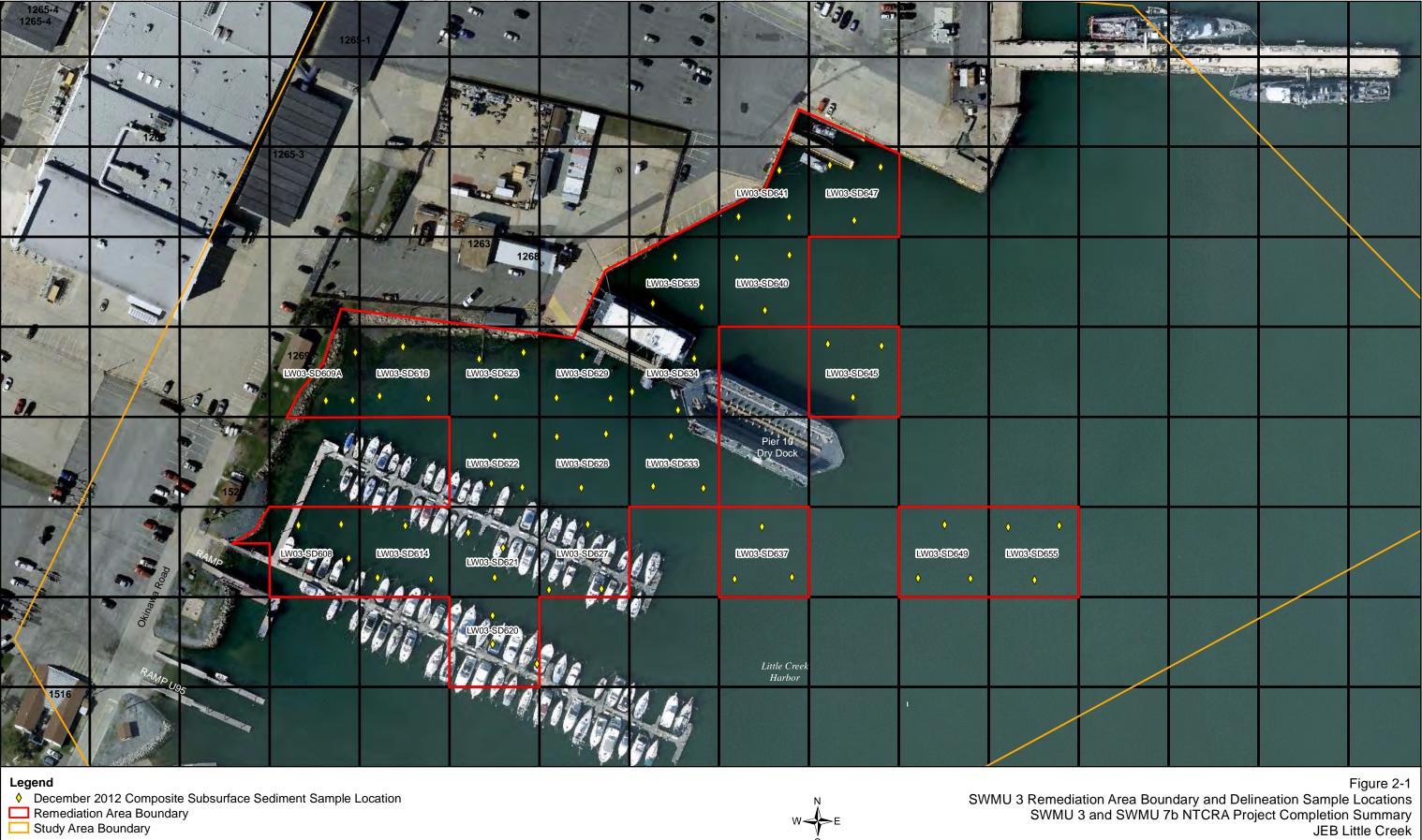
bss - below sediment surface

COC - contaminant of concern

RQ - remediation quotient

Blue highlight indicates excedance of individual COC cleanup criteria (RQ > 1.5)

Purple highlight indicates exsceedance of COC average cleanup critieria (RQ >1)



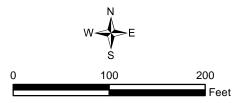
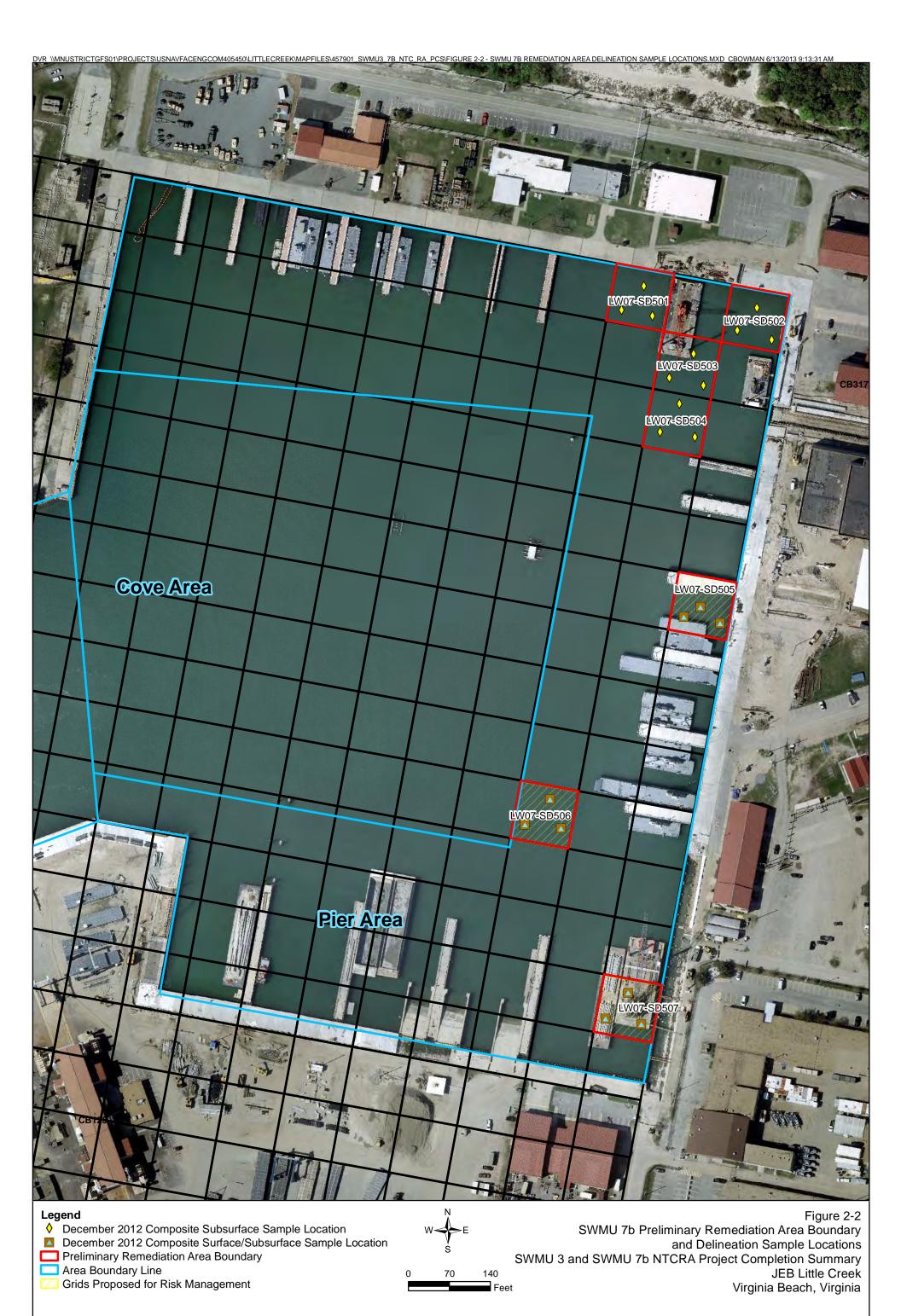
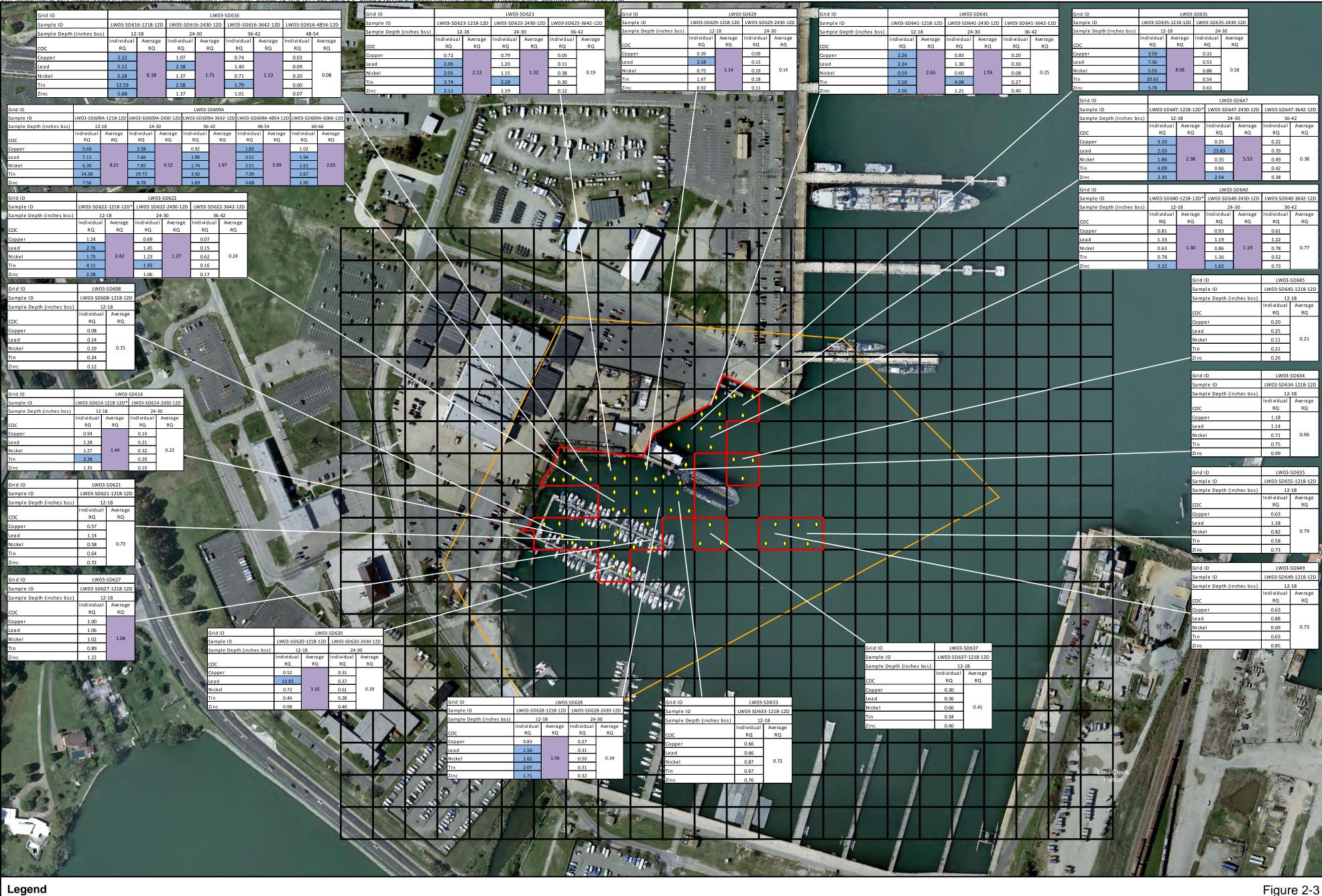


Figure 2-1 SWMU 3 Remediation Area Boundary and Delineation Sample Locations SWMU 3 and SWMU 7b NTCRA Project Completion Summary JEB Little Creek Virginia Beach, Virginia

CH2MHILL





♦ December 2012 Composite Subsurface Sediment Sample Location Remediation Area Boundary

Study Area Boundary

* - Duplicate sample collected. Most conservative result reported. bss - below sediment surface

COC - contaminant of concern RQ - remediation quotient

- Purple shading indicates average RQ >1.0

SWMU 3 Vertical Remediation Area Delineation Results SWMU 3 and SWMU 7b NTCRA Project Completion Summary JEB Little Creek Virginia Beach, Virginia





December 2012 Composite Subsurface Sample Location

December 2012 Composite Surface/Subsurface Sample Location

Remediation Area Boundary

Study Area Boundary Area Boundary Line

Notes:

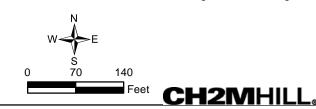
* Duplicate sample collected. Most conservative result reported.

bss - below sediment surface

COC - contaminant of concern RQ - remediation quotient

Blue shading indicates individual RQ >1.5
Purple shading indicates average RQ >1.0

SWMU 7b Remediation Area Delineation Results SWMU 3 and SWMU 7b NTCRA Project Completion Summary JEB Little Creek Virginia Beach, Virginia







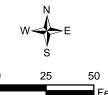


Figure 2-6 SWMU 7b Removal Action Boundary SWMU 3 and SWMU 7b NTCRA Project Completion Summary JEB Little Creek Virginia Beach, Virginia

Removal Action Activities

The SWMU 3 NTCRA began on February 18, 2013 following removal of the floating dry dock and anchoring system. Dredging activities temporarily ceased at SWMU 3 on March 23, 2013 to determine if contract-required dredge depths were achieved. The SWMU 7b NTCRA began on March 27, 2013. Dredging activities were completed at SWMU 7b on April 11, 2013. Re-dredging commenced at SWMU 3 on April 12, 2013 through April 18, 2013.

Construction oversight for all field operations was performed by the Project Superintendent and Project QC Manager of the Navy construction contractor, McLean. Details of daily construction activities were maintained in the daily Contractor Production Reports and Contractor QC Reports provided in **Attachment C**. CH2M HILL provided project QA observation for the duration of the project to observe construction activities and notify the Navy of any observed non-conformance with project plans. QA reports are provided in **Attachment D**. Photographs of construction activities were taken throughout the project and representative photographs are provided in **Attachment E**.

The scope of work included the following tasks, which are described in detail in the following sections:

- Pre-mobilization coordination
- Pre-dredging waste characterization sampling
- Mobilization and site preparation
- Dredging
- Transportation and disposal
- Backfill and site restoration
- Demobilization

3.1 Pre-mobilization Coordination

A pre-construction meeting was held and attended by representatives from NAVFAC Mid-Atlantic, the JEB Little Creek Facilities Engineering and Acquisition Division (FEAD), JEB Little Creek security, JEB Little Creek Port Operations, McLean, CH2M HILL, and Paradise Point Marine (attendance roster provided in **Attachment F**). The meetings covered the project scope, schedule, planned invoicing, health and safety concerns, quality control procedures, quality assurance, and any site logistical issues.

3.2 Pre-Dredging Waste Characterization Sampling

Per 9VAC20-81-660, waste characterization sampling for petroleum-contaminated sediment is required at a frequency of one sample per 250 yd³ of dredge material. To assist with a request to the VDEQ for a reduced waste characterization sampling frequency of dredged sediment, in situ waste characterization sampling was conducted by CH2M HILL in December 2012 during the pre-NTCRA remediation area delineation sediment sampling mobilization. Waste characterization samples were collected concurrently with the delineation samples. Three-point composite sediment samples were collected and consisted of grab sediment samples collected from the three sediment cores retrieved from each grid cell. Grab sediment samples were collected from 0 to 3 feet and 3 to 6 feet, and corresponding depth intervals were homogenized prior to placement into sample containers. Samples collected for VOC analysis were collected first and not homogenized prior to placement into sample containers. All samples were collected in laboratory-prepared bottleware, packed on ice, and shipped to a preapproved, subcontracted laboratory each day. Samples were analyzed for full toxicity characteristic leaching procedure (TCLP) (VOCs, semivolatile organic compounds [SVOCs], metals, herbicides, and pesticides), polychlorinated biphenyls (PCBs), total petroleum hydrocarbons (TPH), extractable organic halogens (EOX), dioxins, ignitability, reactivity, and corrosivity. Initially, all 0 to 3 feet bss samples were analyzed and the 3- to 6-foot bss samples were placed on hold by the laboratory. If, based upon the remediation area delineation results,

ES090512212538VBO 3-1

the 0 to 3 feet bss sample was above the PRGs, the 3 to 6 feet bss sample from that grid cell was also analyzed. All samples were analyzed on a 7-day turnaround time. Raw analytical data are provided in **Attachment A**.

Waste characterization results were provided to VDEQ by Waste Management for review. Based upon the results, the dredge spoils were characterized as non-hazardous and a reduced sampling frequency for paint filter and TPH of once every 2,000 yd³, or once per barge, was approved. The approval letter is provided in **Attachment G**.

3.3 Mobilization and Site Preparation

The floating dry dock and anchoring system located at SWMU 3 was removed on February 5, 2013. A pre-dredge bathymetric survey was conducted at SWMU 3 on February 6 and 12, 2013. Dredge equipment was mobilized to SWMU 3 the week of February 11, 2013 in preparation for dredging activities on February 18, 2013. Equipment was mobilized to SWMU 7b on March 27, 2013. The mobilization activities included the following:

- Establish security clearance of McLean and CH2M HILL project personnel and vehicles
- Mobilization and arrival of dredge barge with crane equipped with environmental and clamshell dredge buckets
- Mobilization and arrival of empty hopper scows
- Mobilization and arrival of tending workboat vessel (WB-39)
- Coordination with tug vessel company (Rodgers Tug) for transport of loaded scows to processing facility
- Mobilization and preparation of turbidity curtain and oil booms for deployment around dredging platform and loading scow

3.3.1 Dredge Plan Implementation

To facilitate the removal of contract dredge depths within each 100 x 100-foot grid cell (grid cells 1-16 at SWMU 3 and grid cells 17-20 at SWMU 7b) while minimizing the removal of excess volume resulting from varying predredge elevations within each primary grid cell, the grid cells were sub-divided into 16 smaller grid cells (25 x 25 foot) with individual required contract depths as shown on **Figures 3-1 and 3-2** and detailed in **Tables 3-1 and 3-2**. Dredging prisms were loaded into HyPack dredging software to complete the removal.

3.4 Dredging Activities

3.4.1 Dredging

Mechanical dredging at SWMU 3 began on February 18, 2013 and was completed on April 18, 2013. Mechanical dredging at SWMU 7b began on March 27, 2013 and was completed on April 11, 2013. Daily production rates averaged approximately 900 yd³ per day.

Prior to the start of dredging activities, approximately 800 linear feet of Type II, 22-ounce polyvinyl chloride (PVC) coated polyester (50-foot and 100-foot section lengths with 10-foot depth) turbidity curtains were deployed around the dredge barge and hopper scow to contain excessive turbidity. The turbidity curtains were tied alongside the dredge barge and surrounded the immediate work area to enable easier movement of the dredging operations within grids. An abbreviated skirt length of 5 feet was created for the shallower grids by tying the 10-foot length curtains at various points to create shallower draft curtains, also enabling easier movement of dredge equipment in the shallow areas. In conjunction with the turbidity curtain, 8-inch-diameter oil booms (10-foot section lengths with sorbent capacity of 65 gallons) were deployed around the dredge barge and hopper scow to contain excessive turbidity and oil sheens generated during removal activities. Occasional sheens were observed during dredging operations; however, all sheens were contained within the turbidity curtain and oil booms. Oil booms were inspected daily during dredging operations and replaced as needed due to saturation. Used oil booms were disposed of as solid waste in dumpsters after being dried out.

Dredging activities involved removal of sediment to defined elevations based on the Navy's initial bathymetric survey and contract removal requirements. The dredging operations consisted of removing the sediment primarily

3-2 ES090512212538VBO

by environmental dredge (16 yd³ bucket) rigged onto a 127-ton crane. In areas where dense sand material prevented penetration by the environmental bucket, a clamshell dredge (7 yd³ bucket) with digging teeth was rigged onto the crane and used to dredge to defined depths. Prior to using the clamshell dredge bucket, any portions of the turbidity curtain that were tied up to shorten the length were untied to facilitate a deeper depth around the dredge barge and hopper scow. Once removed, sediment was transferred into empty hopper scows.

During dredging operations, excess water was released by screened release vents with rubber flaps on the sides of the environmental dredge bucket as the full bucket was hoisted from the water. During the use of the clamshell bucket, water passively ran out of the bottom and top of the bucket. As a result of the aforementioned draining prior to placement into the hopper scows, hydraulic pumping of overburden water within the hopper scows was not needed. Dredging operations were continuously monitored to ensure there was no excessive loss of suspended sediments during transfer to the hopper scows and to ensure the turbidity and sheens contained within turbidity curtains and oil booms were kept to a minimum.

Following completion of dredging activities, post-dredge bathymetric surveys were conducted at SWMU 3 and SWMU 7b to ensure contract-required dredge depths were achieved and to document final dredge volumes. An initial post-dredge bathymetric survey conducted at SWMU 3 on March 14, 2013 revealed that additional dredging was required to meet contract-required dredge depths.

As a result, following the SWMU 7b dredging activities, McLean returned to SWMU 3 to perform additional dredging to meet the required depths. A final post-dredge bathometric survey conducted on April 30, 2013 confirmed that the contract-required dredge depths were achieved in each sub-grid cell and no additional dredging was required, as noted on **Table 3-1**, with the exception of seven sub-grid cells. Due to their proximity to the shoreline and required draft depth for the dredge barge and hopper scow, sub-grid cells 167, 193 and 194 located in primary grid cell 1 were not dredged and therefore did not exhibit the required dredge depths. Primary grid cell 1 will be addressed at a later date during the SWMU3 Time-Critical Removal Action (TCRA). Sub-grid cell 237 located in primary grid cell 7 did not exhibit the required dredge depths. Sub-grid cell 210 located in primary grid cell 8, sub-grid cell 50 located in primary grid cell 11, and sub-grid cell 38 located in primary grid cell 12 did not exhibit the required dredge depths but were within a 10% margin of error and considered satisfactory.

The post-dredge bathymetric survey conducted at SWMU 7b on April 16, 2013, indicated that required dredge depths had been achieved in each sub-grid cell except sub-grid cell 45 located in primary grid cell 17. The survey exhibited a removal of 1.76 feet, with a 2-foot removal requirement. This value is within a 12% margin of error and it was determined that no additional dredging was required. A summary of removal action activities is provided in **Table 3-1** and **Table 3-2.** A total of 12,600 yd³ of sediment were removed from SWMU 3 and 4,040 yd³ of sediment were removed from SWMU 7b.

3.4.2 Transportation and Disposal

In accordance with the requirements set forth by VDEQ (letter, Attachment G), one sample was collected per 2,000 yd³ of dredged material during dredging operations and analyzed for TPH and paint filter by Test America.

The loaded scows were then transported offsite by tug up the James River to the offloading area at Port Weanack, located in Charles City, Virginia. Prior to offloading, Portland cement was mixed by Paradise Point Marine into sediment for solidification. In accordance with the requirements set forth by VDEQ, following sediment solidification, one sample was collected from each barge and analyzed for TPH and paint filter. Following waste characterization, sediment was loaded on trucks and transported to Waste Management's Charles City Landfill for disposal. Following the final offload of material, each barge was towed to McLean's South Norfolk, Virginia Yard for decontamination using non-potable water, push brooms, and mops. To minimize the consumption of rinse water, the water was filtered through silt bags, pumped and collected in a tank for reuse for decontamination of each of the four barges. After all barges were decontaminated, the decontamination fluids were contained and sampled for characterization. Four samples were collected and analyzed for full TCLP, sulfide, cyanide, pH, and flashpoint. Waste characterization data are provided in **Attachment H.** Based upon the sampling results, decontamination fluids were determined by McLean to be non-hazardous, and the stored rinse water was utilized at McLean's South Norfolk, Virginia yard for dust control purposes.

ES090512212538VBO 3-3

3.4.3 Backfill and Site Restoration

Prior to use, the sand backfill source (Vulcan Materials Company in Suffolk, Virginia) was tested to ensure gradation was in accordance with ASTM C33 standards for fine aggregate. The white sand was within the ASTM C33 fine aggregate sand specifications; however, the percentage of material passing the #200 sieve slightly exceeded the more stringent specification of 0-1% outlined in the contract specifications. This more stringent criterion was designed to reduce the resulting turbidity within the water column during sand placement. Since the percentage only slightly exceeded the criterion and turbidity curtains were used during placement, the white sand was deemed suitable for use based on grain size.

The white sand selected based upon gradation results was subsequently sampled and analyzed for VOCs, SVOCs, pesticides, PCBs, herbicides, TPH, benzene, ethylbenzene, toluene, and xylenes (BETX), and inorganic constituents. Raw analytical data are presented in **Attachment H**. Results were compared to backfill criteria as presented on **Table 3-3** and approved for use by the Navy, USEPA, and VDEQ.

Following approval of the clean sand material, McLean performed backfilling operations at SWMU 7b from April 24, 2013 to May 1, 2013. SWMU 3 backfilling operations were performed from May 5, 2013 through May 23, 2013. Sand was delivered to the site within hopper scows and placed using the clamshell environmental bucket. The clamshell bucket was lowered to just above the water surface, slowly opened and swung throughout the grid cell to ensure complete coverage. As agreed by the Navy, USEPA, and VDEQ, 1 foot of sand was required in each grid cell dredged utilizing the clamshell dredge and 2 feet of sand were required within those grid cells at SWMU 3 where the petroleum-like material was exposed. All other grid cells required 0.5 foot of sand backfill. Following sand placement, sediment cores were collected within each grid cell (1 per 2,500 square feet) for visual confirmation of sand thickness. Sand core locations are presented on Figures 3-3 and 3-4 and core photographs provided in Attachment E. A total of 6,580 yd³ of sand were placed at SWMU 3 and 2,335 yd³ of sand were placed at SWMU 7b. A summary of sand placement activities is presented in Table 3-1 and Table 3-2. Material weight slips from Vulcan Material Company are presented in Attachment H.

3.5 Demobilization

All support equipment, staging areas, and heavy equipment were removed from the site on May 23, 2013. Following completion of sand placement and equipment demobilization, final bathymetric surveys were completed at SWMU 3 and SWMU 7b by the Navy on May 29, 2013 to document final site conditions (Attachment J).

3-4 ES090512212538VBO

TABLE 3-1 **SWMU 3 Dredging Summary**

				Dredge R	equirements				Backfill Requ	uirements		
Grid	Required Contract Dredge Depth (feet)	Sub-Grid	Average Pre-Dredge Elevation (feet bmsl)	Required Contract Dredge Elevation (feet bmsl)	Average Post-Dredge Elevation (feet bmsl)	Actual Dredge Depth Achieved (feet bmsl)	Depth to top of POL (feet bmsI) ¹	Depth to bottom of POL (feet bmsl) ¹	POL Removed, Exposed, or Not Exposed	Equipment Used	Required Sand Placement (feet)	Sand Placement Achieved (feet) ²
		140	-	-	-	-					Ì	
1*	4	167	2.52	6.52	5.18	2.66 ³	NA	NA	NA	Environmental Bucket	0.5	0.0
1	4	193	5.75	9.75	6.59	0.83 ³	IVA	IVA	INA	LIIVII OIIIII EIILAI BUCKEL	0.5	0.0
		194	5.50	9.50	7.04	1.54 ³						
		112	-	-	-	-						
		113	-	-	-	-						
		141	-	-	-	-						
		142	-	-	5.34	-						
		143	-	-	7.57	-						
		144	3.06	7.06	7.93	4.87						
2	4	168	2.51	6.51	9.97	7.46	NA NA	NA	NA	Clamshell Bucket	1	1.2
-	<u> </u>	169	3.47	7.47	10.69	7.22		IVA	IVA	Ciamsnen backet	1	1.2
		170	3.37	7.37	11.20	7.82						
		171	3.34	7.34	10.31	6.97						
		195	6.30	10.30	12.44	6.14						
		196	7.37	11.37	13.43	6.06						
		197	6.93	10.93	12.02	5.09						
		198	5.94	9.94	11.01	5.06						
		226	8.01	11.01	12.38	4.38						
		227	8.38	11.38	12.56	4.18						
		228	9.54	12.54	13.86	4.31						
		229	10.23	13.23	15.64	5.41						
		246	9.31	12.31	14.01	4.70						
		247	9.34	12.34	14.05	4.71						
3	3	248	9.75	12.75	16.16	6.40	NA	NA	NA	Clamshell Bucket	1	1.5
		249	10.80	13.80	18.11	7.31						
		260	9.82	12.82	-	-						
		261	9.79	12.79	12.50	2.71 ³						1
		262	10.24	13.24	13.74	3.50						1
		263	11.47	14.47	17.54	6.08						1
		277	12.17	15.17	14.38	2.21						
		145	2.98	5.98	6.12	3.13						
		146	2.97	5.97	8.18	5.21						
		147	3.28	6.28	9.30	6.02						
		148	3.65	6.65	7.80	4.15						
		172	4.23	7.23	8.70	4.47						
4	3	173	5.00	8.00	9.85	4.85	4.75	12+	Exposed	Clamshell Bucket	1	1.1
7		174	5.50	8.50	10.03	4.53	4./5	12'	Laposeu	Ciamonen Ducket	_	1.1
		175	5.55	8.55	9.67	4.13						
		199	6.13	9.13	11.05	4.92]					
		200	6.80	9.80	11.80	5.00						
		201	8.04	11.04	12.70	4.67						
		202	8.28	11.28	12.42	4.14						

TABLE 3-1 **SWMU 3 Dredging Summary**

				Dredge R	equirements				Backfill Requ	uirements		
Grid	Required Contract Dredge Depth (feet)	Sub-Grid	Average Pre-Dredge Elevation (feet bmsl)	Required Contract Dredge Elevation (feet bmsl)	Average Post-Dredge Elevation (feet bmsl)	Actual Dredge Depth Achieved (feet bmsl)	Depth to top of POL (feet bmsl) ¹	Depth to bottom of POL (feet bmsl) ¹	POL Removed, Exposed, or Not Exposed	Equipment Used	Required Sand Placement (feet)	Sand Placement Achieved (feet) ²
		230	10.84	12.84	13.67	2.83						
		231	11.40	13.40	13.88	2.49						
		232	13.11	15.11	17.68	4.57	1					
		233	17.13	19.13	22.57	5.44	=					
		250	11.95	13.95	14.45	2.49	=					
		251	12.90	14.90	15.11	2.20						
		252	14.13	16.13	18.23	4.10						
5	2	253	16.22	18.22	22.03	5.81	NA NA	NA	NA	Environmental Bucket	0.5	1.1
5	2	264	12.70	14.70	16.35	3.65	IVA	INA	IVA	Elivirolillelital Bucket	0.5	1.1
		265	13.48	15.48	16.34	2.86						
		266	14.23	16.23	17.02	2.79						
		267	15.17	17.17	21.49	6.33						
		278	13.11	15.11	15.41	2.30						
		279	13.88	15.88	17.12	3.25						
		280	14.38	16.38	16.90	2.52						
		281	14.91	16.91	18.37	3.46						
		149	4.30	6.30	7.98	3.68						
		150	4.94	6.94	10.61	5.67						
		151	6.93	8.93	12.10	5.17						
		152	11.91	13.91	13.96	2.05						
		176	6.40	8.40	10.80	4.41						
6	2	177	6.93	8.93	12.39	5.47	2	2.33	Removed	Clamshell Bucket	1	2.3
	_	178	8.48	10.48	14.43	5.94	_	2.00		Glamstren Backet	_	
		179	11.91	13.91	17.84	5.92						
		203	8.59	10.59	11.96	3.37						
		204	9.46	11.46	13.24	3.78	<u> </u>					
		205	11.38	13.38	16.67	5.30	=					
		206	15.75	17.75	20.48	4.73						
		234	20.98	21.98	25.92	4.94	-					
		235	24.72	25.72	27.04	2.32	1					
		236	26.96	27.96	30.68	3.72	1					
		237	28.46	29.46	27.89	-0.56 ³						
		254	18.17	19.17	24.00	5.83	-					
		255	20.41	21.41	24.43	4.02	-					
		256	23.27	24.27	27.96	4.69	-					
7	1	257	25.20	26.20	27.28	2.08	- NA	NA	NA	Environmental Bucket	0.5	0.9
		268	15.92	16.92	21.32	5.41	-					
		269	16.74	17.74	20.38	3.64	-					
		270 271	18.31 20.63	19.31 21.63	22.12 23.77	3.81 3.14	1					
		282	15.43	16.43	18.16	2.73	1					
		282	15.43	16.90	16.72	0.82	1					
		284	16.47	17.47	18.84	2.36	1					
		285	17.41	18.41	20.47	3.07	1					
		283	17.41	10.41	20.47	3.07						

TABLE 3-1 **SWMU 3 Dredging Summary**

				Dredge R	equirements				Backfill Requ	uirements		
Grid	Required Contract Dredge Depth (feet)	Sub-Grid	Average Pre-Dredge Elevation (feet bmsl)	Required Contract Dredge Elevation (feet bmsl)	Average Post-Dredge Elevation (feet bmsl)	Actual Dredge Depth Achieved (feet bmsl)	Depth to top of POL (feet bmsl) ¹	Depth to bottom of POL (feet bmsl) ¹	POL Removed, Exposed, or Not Exposed	Equipment Used	Required Sand Placement (feet)	Sand Placement Achieved (feet) ²
		124	12.52	13.52	16.24	3.72					1	
		125	17.18	18.18	20.40	3.22						
		126	20.79	21.79	28.22	7.43						
		127	22.60	23.60	30.34	7.74						
		154	21.91	22.91	24.18	2.27						
		155	24.88	25.88	29.36	4.48						
		156	28.51	29.51	31.69	3.17	=					
8	1	180	14.66	15.66	19.19	4.53	2.83	5.33	Exposed	Environmental Bucket	2	2.0
		181	22.53	23.53	23.74	1.20	_					
		182	25.85	26.85	29.43	3.58	=					
		183	29.93	30.93	32.34	2.42	=					
		207	20.58	21.58	25.56	4.98	-					
		208	24.82	25.82	29.21	4.39	=					
		209	28.72	29.72	31.44	2.72	=					
		210	30.88	31.88	31.83	0.95						
		61	14.14	16.14	18.48	4.34 3.07	=					
	-	62 63	15.01 15.48	17.01 17.48	18.08 19.48	4.00	=					
	-	70	12.74	14.74	17.61	4.87						
		71	14.14	16.14	18.12	3.98	-					
9	2	72	15.55	17.55	19.79	4.24	2.25	5	Exposed	Clamshell Bucket	2	2.0
	_	73	16.13	18.13	20.96	4.82	-:				_	
		95	12.63	14.63	17.71	5.09	=					
		96	15.63	17.63	19.65	4.02	=					
		97	17.60	19.60	21.82	4.22	=					
		98	17.88	19.88	23.95	6.07						
		313	17.11	18.11	23.01	5.90						
		314	18.45	19.45	24.48	6.03						
	[315	19.34	20.34	23.36	4.02						
		316	20.37	21.37	23.24	2.87						
		328	17.10	18.10	21.95	4.84						
		329	17.81	18.81	21.29	3.48	-					
		330	18.11	19.11	20.50	2.39	=					
10	1	331	18.36	19.36	21.50	3.14	2.75	6	Exposed	Environmental Bucket	2	2.1
		343	17.43	18.43	22.57	5.14	-					
		344	17.67	18.67	21.05	3.38	-					
		345	17.68	18.68	19.95	2.27	-					
		346	17.88	18.88	20.82	2.94	-					
		358	18.07	19.07	22.21	4.14	-					
		359 360	18.13	19.13	20.87	2.74	-					
			18.00	19.00	20.23		-					
		361	18.19	19.19	19.87	1.69	<u> </u>					

TABLE 3-1 **SWMU 3 Dredging Summary**

				Dredge R	equirements				Backfill Requ	uirements		
Grid	Required Contract Dredge Depth (feet)	Sub-Grid	Average Pre-Dredge Elevation (feet bmsl)	Required Contract Dredge Elevation (feet bmsl)	Average Post-Dredge Elevation (feet bmsl)	Actual Dredge Depth Achieved (feet bmsl)	Depth to top of POL (feet bmsl) ¹	Depth to bottom of POL (feet bmsl) ¹	POL Removed, Exposed, or Not Exposed	Equipment Used	Required Sand Placement (feet)	Sand Placement Achieved (feet) ²
		50	15.66	18.66	18.46	2.80 ³						
	-	51	16.03	19.03	20.21	4.18	=					
	-	52	16.63	19.63	20.69	4.06						
	-	53	17.32	20.32	20.83	3.51	=					
	-	64	15.87	18.87	19.93	4.05	=					
		65	16.38	19.38	20.32	3.93	=			Environmental Bucket		
		66	17.02	20.02	21.74	4.71	=					
11	2	67	17.51	20.51	21.74	4.23	0	5.16	Eupocod		2	2.0
11	3	74	16.47	19.47	21.47	5.00	0	5.10	Exposed		2	2.0
		75	16.91	19.91	20.46	3.55						
		76	17.36	20.36	21.67	4.31						
		77	17.74	20.74	21.79	4.04						
		99	17.65	20.65	22.79	5.14						
		100	17.73	20.73	21.83	4.10						
		101	17.83	20.83	21.94	4.11						
		102	17.97	20.97	21.56	3.60						
		25	16.74	19.74	20.30	3.55	=					
12	3	38	16.74	19.74	19.46	2.72 ³	0.91	3.92	Exposed	Environmental Bucket	2	2.5
		39	17.04	20.04	20.61	3.57						
		132	18.28	19.28	21.32	3.04	=					
	-	133	18.50	19.50	21.17	2.66						
	-	134	18.60	19.60	21.33	2.73						
	=	135	18.58	19.58	20.97	2.39	=					
	<u> </u>	159	19.66	20.66	23.86	4.21						
		160	19.08	20.08	22.28	3.20	_					
		161	18.43	19.43	21.45	3.02	-					
13	1	162	18.38	19.38	21.44	3.06	0	5.08	Exposed	Environmental Bucket	2	2.0
		186	24.90	25.90	30.54	5.64	-					
		187	21.74	22.74	26.43	4.69	-					
		188	19.74	20.74	24.82	5.08	-					
		189	19.18	20.18	23.85	4.67	-					
		213	30.17	31.17	34.55	4.38	-					
		214	28.30	29.30	33.28	4.98						
		215	25.44	26.44	30.92	5.48	-					
		216	22.60	23.60	27.72	5.12						

TABLE 3-1 SWMU 3 Dredging Summary

Second Market Second Record Second Record Record Second Record Secon					Dredge R	equirements				Backfill Requ	uirements		
17 16.86 13.86 21.31 4.75	Grid		Sub-Grid		Dredge Elevation (feet					Removed, Exposed, or	Equipment Used		Sand Placement Achieved (feet) ²
17 16.86 13.86 21.31 4.75			16	16.23	19.23	20.68	4.45						
14 16				1									
14 2			18	1									
14 1			26	16.96	19.96	21.01	4.05						
20			27	17.60	20.60	21.51	3.91						
40 17.51 20.51 22.71 5.30 44 1 18.63 22.63 24.25 6.22 42.55 6.22 42.55 42.56 42 18.44 22.44 22.01 5.80 43.5 45.00 43.5 80.0 43	14	3	28	4	21.08	22.59	4.51	1	1.91	Removed	Environmental Bucket	0.5	0.8
41 18.03 21.03 24.25 6.22 42 42 14 42 14 18.04 5.60 43.56 4.90 43.66 21.66 23.56 4.90 43.66 21.66 23.56 4.90 43.66 21.66 23.56													
18.44				1									
48				4									
19				1									
15 1 1 1 1 1 1 1 1 1				4									
15 1 19 1 20 1 21 56 2.55				1									
15 18,69 19,69 21,15 2,46 334 20,52 21,52 26,20 5,68 335 19,35 20,35 21,81 2,45 2,45 336 19,07 20,07 21,64 2,61 36,0 19,23 20,33 22,32 30,8 35,1 19,17 20,17 21,65 2,48 36,4 19,20 20,20 21,84 2,67 36,6 19,28 20,28 21,08 1,80 36,7 19,27 20,27 21,94 2,67 32,4 19,15 20,15 21,37 2,21 32,4 19,15 20,15 21,37 2,21 32,4 19,15 20,05 21,66 2,61 338 19,27 20,07 21,50 2,23 36,1 3,20				1									
15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				4									
15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-		4									
15 1 336				1									
15 1 337				1									
15 1 349 19.39 20.39 25.79 6.41 5 6.67 Not Exposed Environmental Bucket 0.5 1.3				1									
19	15	1		-				5	6.67	Not Exposed	Environmental Bucket	0.5	1.3
16				1									
16 1 1 1 19.65 20.15 20.15 21.98 2.84 2.84 2.84 2.84 2.84 2.84 2.84 2.8				1									
16				1									
16			364	1		24.44	5.24						
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			365	19.24	20.24	22.08	2.83						
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			366	19.28	20.28	21.08	1.80						
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			367	19.27	20.27	21.94	2.67						
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			323	18.74	19.74	21.25	2.51						
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		[324	19.15	20.15	21.37	2.21						
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-									
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													
16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												1	
16 1				1									
16 1 353 19.23 20.23 22.33 3.10 4.17 6.83 Not Exposed Environmental Bucket 0.5 1.0 354 19.34 20.34 21.98 2.64 355 19.46 20.46 21.76 2.30 356 19.65 20.65 21.62 1.97 368 19.31 20.31 22.15 2.84 369 19.40 20.40 21.96 2.56 370 19.52 20.52 21.69 2.17				1									
354 19.34 20.34 21.98 2.64 355 19.46 20.46 21.76 2.30 356 19.65 20.65 21.62 1.97 368 19.31 20.31 22.15 2.84 369 19.40 20.40 21.96 2.56 370 19.52 20.52 21.69 2.17	16	1		1				4.17	6.83	Not Exposed	Environmental Bucket	0.5	1.0
355 19.46 20.46 21.76 2.30 356 19.65 20.65 21.62 1.97 368 19.31 20.31 22.15 2.84 369 19.40 20.40 21.96 2.56 370 19.52 20.52 21.69 2.17				1								1	
356 19.65 20.65 21.62 1.97 368 19.31 20.31 22.15 2.84 369 19.40 20.40 21.96 2.56 370 19.52 20.52 21.69 2.17				1								1	
368 19.31 20.31 22.15 2.84 369 19.40 20.40 21.96 2.56 370 19.52 20.52 21.69 2.17		}		1									
369 19.40 20.40 21.96 2.56 370 19.52 20.52 21.69 2.17		}		1									
370 19.52 20.52 21.69 2.17		}		1									
		 		1									
371 19.68 20.68 21.71 2.03		 		1									

bmsl = below mean seal level

^{- =} no data available

¹ Depth to POL based upon observations made during January 2009 and December 2012 vertical delineation investigations

² The minimum amount of sand placed in the grid is recorded based on the visual observation of the depth of sand in the cores collected

TABLE 3-2 **SWMU 7b Construction Summary**

	Required			Dredge F	Requirements		Ва	ckfill Requirements	
Grid	Contract Dredge Depth (feet)	Sub-Grid	Average Pre- Dredge Elevation (feet bmsl)	Required Contract Dredge Elevation (feet bmsl)	Average Post- Dredge Elevation (feet bmsl)	Actual Dredge Depth Achieved (feet bmsl)	Equipment Used	Required Sand Placement (feet)	Sand Placement Achieved (feet) ¹
		12	10.42	12.42	13.68	3.26			
		13	10.02	12.02	13.71	3.69			
		14	10.23	12.23	13.81	3.58			
		15	9.24	11.24	13.21	3.97			
		23	11.67	13.67	14.85	3.18			
		24	11.51	13.51	14.9	3.39			
		25	11.66	13.66	15.05	3.39			
17	2	26	11.34	13.34	14.75	3.41	Clamshell Bucket	1	1.4
1,	_	34	12.15	14.15	14.98	2.83	Clamsnen backet	_	1.4
		35	12.28	14.28	15.26	2.99			
		36	12.47	14.47	15.59	3.11			
		37	12.29	14.29	15.72	3.44			
		45	12.26	14.26	14.58	2.32			
		46	12.45	14.45	14.63	2.18			
		47	12.46	14.46	14.22	1.76 ²			
		48	12.65	14.65	14.47	1.82			
		18	10.94	12.94	14.11	3.17			
		19	11.14	13.14	15.17	4.04			
		20	10.79	12.79	15.82	5.03			
		21	11.02	13.02	15.86	4.84			
		29	11.89	13.89	15	3.11			
		30	11.82	13.82	15.35	3.53			
		31	11.11	13.11	15.75	4.65			
18	2	32	11.87	13.87	15.43	3.57	Clamshell Bucket	1	1.3
	_	40	11.73	13.73	14.93	3.20	J.G Ducket	_	
		41	11.53	13.53	14.84	3.31			
		42	10.98	12.98	14.78	3.80			
		43	11.01	13.01	14.43	3.42			
		53	11.63	13.63	13.72	2.09			
		54	11.4	13.4	13.75	2.35			
		55	10.95	12.95	14.1	3.15			
		56	10.29	12.29	12.75	2.46			

TABLE 3-2 **SWMU 7b Construction Summary**

	Required			Dredge F	Requirements	Ва	ckfill Requirements		
Grid	Contract Dredge Depth (feet)	Sub-Grid	Average Pre- Dredge Elevation (feet bmsl)	Required Contract Dredge Elevation (feet bmsl)	Average Post- Dredge Elevation (feet bmsl)	Actual Dredge Depth Achieved (feet bmsl)	Equipment Used	Required Sand Placement (feet)	Sand Placement Achieved (feet) ¹
		62	12.42	13.42	14.93	2.51			
		63	12.38	13.38	15.1	2.73			
		64	12.26	13.26	15.38	3.12			
		65	12.08	13.08	15.23	3.16			
		67	12.63	13.63	14.43	1.80			
		68	12.54	13.54	14.25	1.71			
		69	12.27	13.27	15.16	2.90			
19	1	70	12.18	13.18	15.6	3.42	Clamshell Bucket	1	1.5
19	1	72	12.51	13.51	15.36	2.85	Ciamsnell Bucket	1	1.5
		73	12.4	13.4	14.8	2.39			
		74	12.18	13.18	15.35	3.17			
		75	12.01	13.01	15.1	3.09			
		77	12.63	13.63	14.81	2.18			
		78	12.42	13.42	14.98	2.57			
		79	12.27	13.27	15.36	3.09			
		80	12.13	13.13	14.81	2.68			
		82	12.33	13.33	15.02	2.69			
		83	12.12	13.12	14.87	2.75			
		84	11.91	12.91	15.08	3.17			
		85	11.69	12.69	14.85	3.16			
		87	12	13	14.11	2.10			
		88	11.74	12.74	14.33	2.59			
		89	11.52	12.52	14.79	3.27			
20	1	90	11.36	12.36	14.86	3.50	Clamshell Bucket	1	1.3
20	1	92	11.91	12.91	14.07	2.15	Clamsnell Bucket	1	1.5
		93	11.57	12.57	14.15	2.59			
		94	11.32	12.32	14.47	3.16			
		95	11.19	12.19	14.99	3.80			
		97	11.67	12.67	13.51	1.85			
		98	11.35	12.35	13.37	2.02			
		99	11.1	12.1	13.38	2.29			
		100	10.88	11.88	13.26	2.38			

bmsl = below mean seal level

¹ The minimum amount of sand placed in the grid is recorded based on the visual observation of the depth of sand in the cores collected

² Sub-grid did not meet the required contract removal depth

TABLE 3-3 Sand Backfill Data

		1		I	
Sample ID	Background Native - Surface Soil	Background Native - Subsurface Soil	Residential Soil RSLs	Marine Sediment Benchmarks	LC-SAND-030413
Sample Date					3/4/13
Chemical Name					
Volatile Organic Compounds (UG/KG)					
Methylene Chloride	-	-	56,000	-	1.5 J
Naphthalene	-	-	3,600	34.6	1.9 J
Semivolatile Organic Compounds (UG/KG)					
Benzaldehyde	-	-	7,800,000	-	25 J
Phenol	-	-	18,000,000	-	15
Doskielde (Delveklerinsted Biekernste (UC/VC)					
Pesticide/Polychlorinated Biphenyls (UG/KG) 4,4'-DDD			2.000		0.00
4,4*-000	-	-	2,000	-	0.66 J
Herbicides (UG/KG)					
No Detections					
THE DECESSIONS					
Total Metals (MG/KG)					
Aluminum	12000	12000	77,000	-	68
Barium	154	154	15,000	-	1 J
Calcium	1817	1817	-	-	35 J
Chromium	14	14	0.29	52.3	1.5
Iron	31000	31000	55,000	-	130
Lead	110	16.4	400	30.2	0.84
Magnesium	986	986	-	-	13 J
Manganese	411	411	1,800	-	0.75 J
Silica	-	-	4,300,000	-	180 Q
Silicon	-	-	-	-	85 Q
Sodium	63	63	-	-	13 J
Strontium	-	-	47,000	-	0.27 J Q
Tin	-	-	47,000	-	2.3 J
Titanium	-	-	-	-	24
Vanadium	22.4	22.4	390	-	1.5 J
Zinc	123	39	23,000	124	0.8 J
Total Petroleum Hydrocarbons (MG/KG)					
No Detections					

Notes:

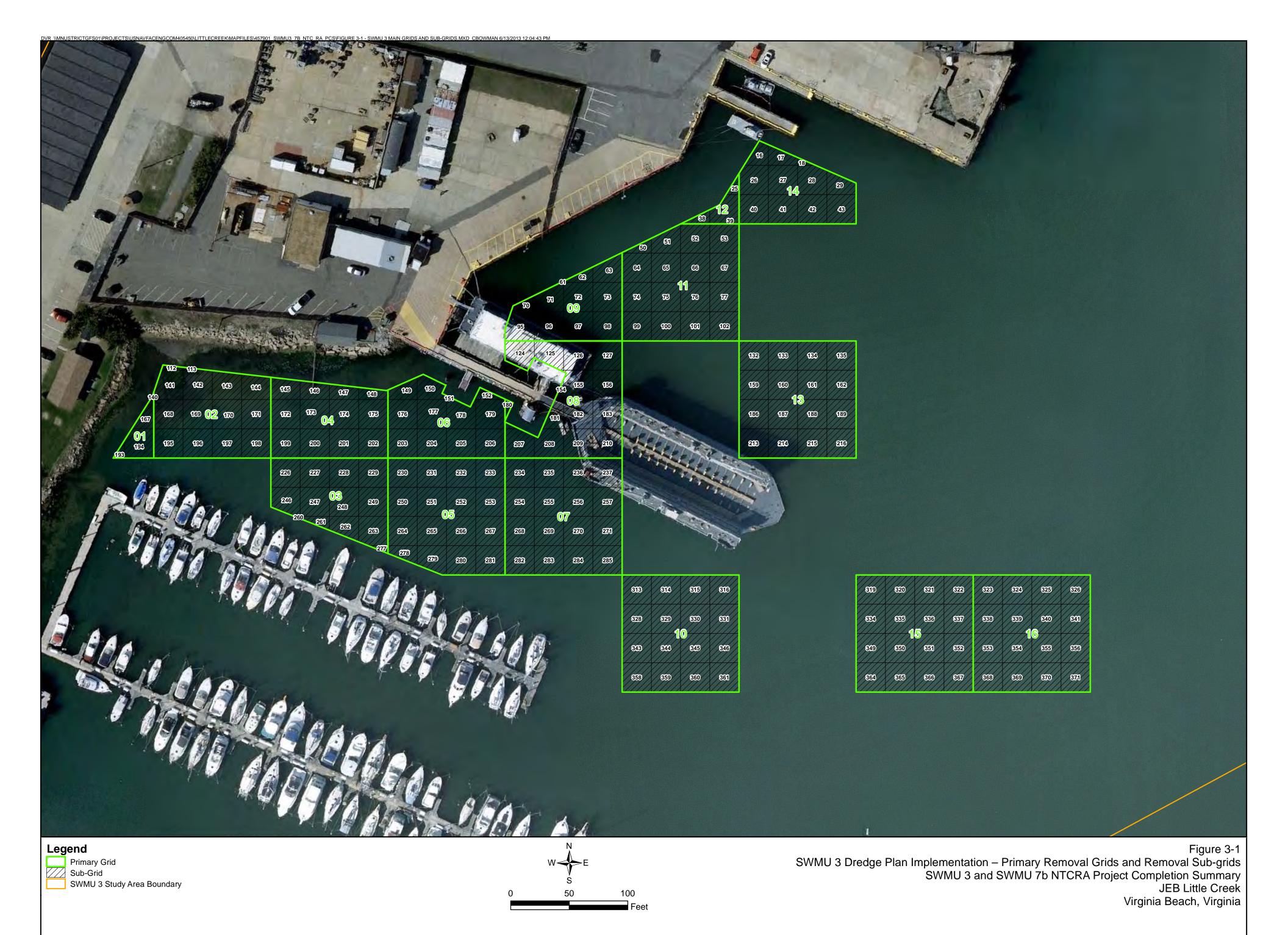
J - Analyte present below detection limit MG/KG - Milligrams per kilogram NS - Not sampled

Q - One or more quality control criteria failed U - The material was analyzed for, but not

detected

UG/KG - Micrograms per kilogram Bold indicates detection

Exceeds background Exceeds Residential RSL



CH2MHILL.

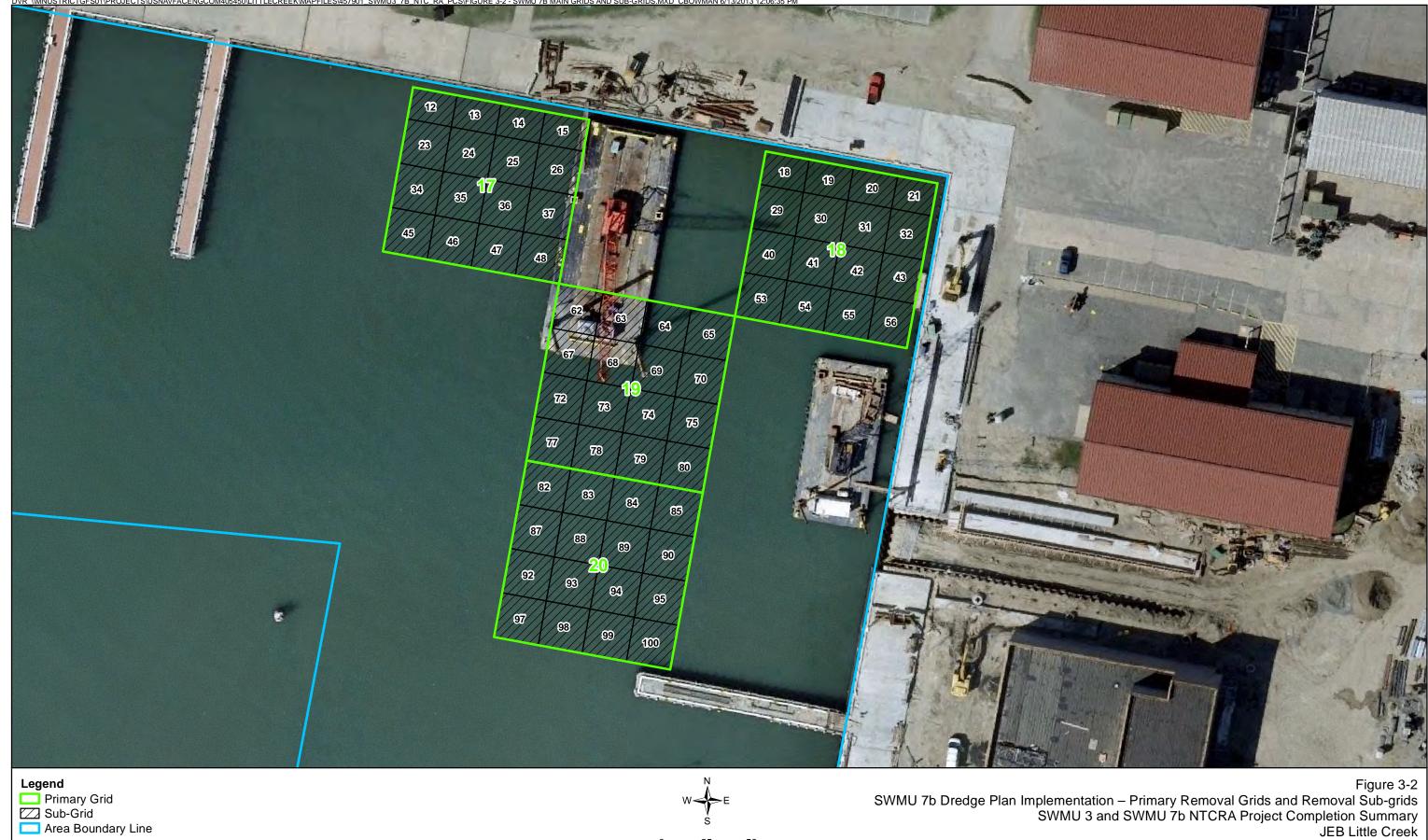
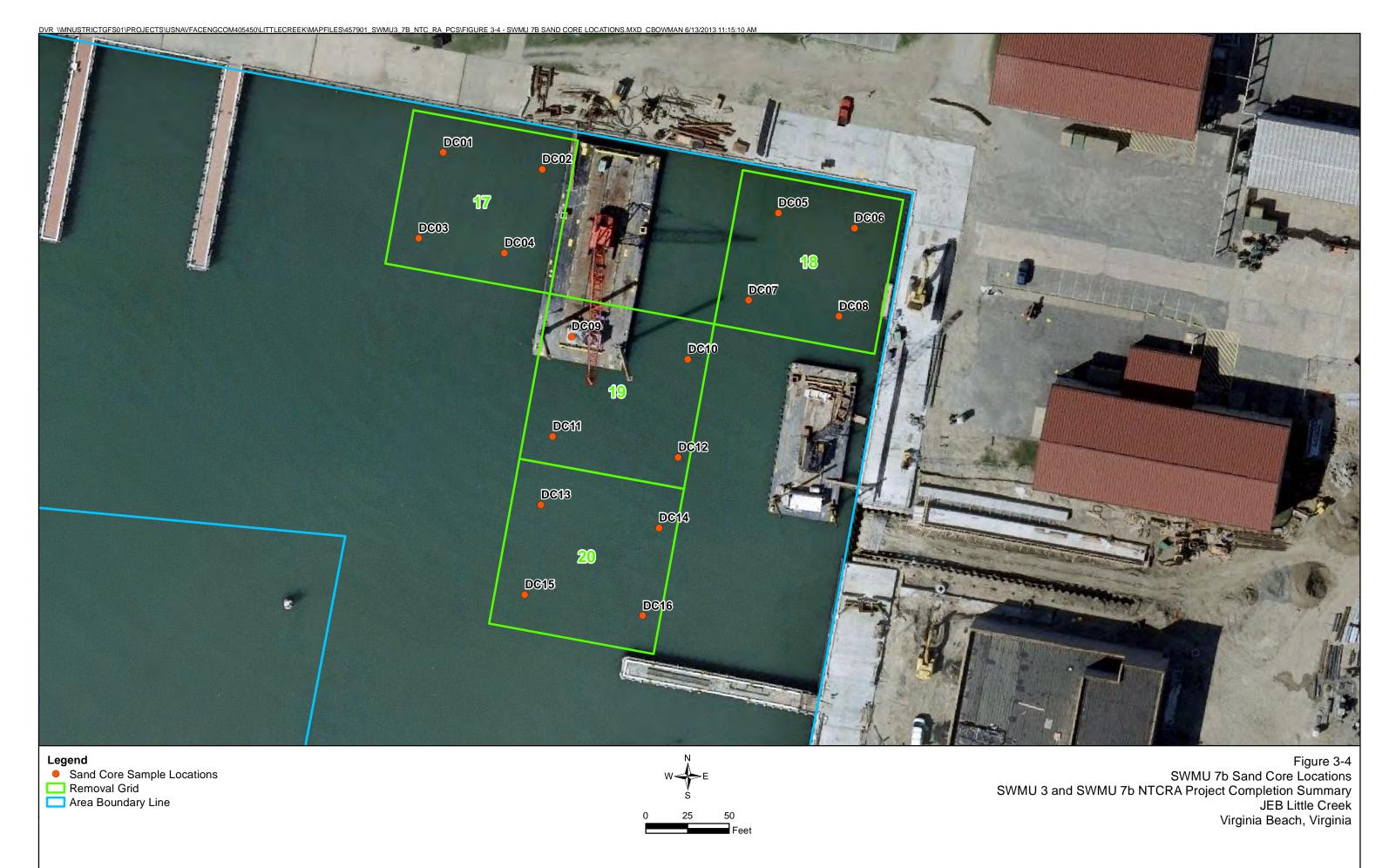


Figure 3-2 SWMU 7b Dredge Plan Implementation – Primary Removal Grids and Removal Sub-grids SWMU 3 and SWMU 7b NTCRA Project Completion Summary JEB Little Creek Virginia Beach, Virginia





_CH2MHILL

SECTION 4

Field Quality Control, Quality Assurance, and Safety Program Implementation

The following quality controls and quality assurance aspects were implemented during the project and are described in this section:

- Field Observations
- Daily Reports
- QA/QC deviations for action implementation

Project quality control oversight staff provided by McLean included a Site Superintendent and Project QC Manager. CH2M HILL provided project quality assurance observations of all dredging activities throughout the project.

4.1 Field Observations and Daily Reports

Routine field observations by CH2M HILL verified that the outcome of the sediment removal activities complied with the Work Plan (McLean, 2013) and project specifications. McLean performed QC inspections of the primary Definable Features of Work (DFOWs) on a daily basis; detailed records of contractor activities were maintained in the Daily Contractor Production Reports and Daily Contractor Quality Control Reports provided in **Attachment C**. CH2M HILL performed QA observations of the DFOWs on a daily basis and observed the QC program; daily QA reports are provided in **Attachment D**. Both McLean and CH2M HILL used the three-phase inspection system, consisting of preparatory, initial, and follow-up inspections for the applicable DFOWs.

The data and information collected during construction QA observation of the NTCRAs were used to inform the Navy of conformity of the NTCRA activities with the project plans/specifications as the work progressed. CH2M HILL was responsible for observing implementation of the Contractor's Quality Control (QC) program and providing notification to the Navy of any non-conformance or potential non-conformance of the drawings, specifications, and any applicable work planning documents. CH2M HILL monitored that quality levels and requirements of specific elements of the design were completed in accordance with all applicable laws and regulations and that the Contractor performed the work in accordance with their approved Work Plan, FY 2012 Maintenance Dredging, Joint Expeditionary Base, Little Creek, Teen Peers, Virginia Beach, Virginia (McLean, 2013); Quality Control Plan (McLean, 2012); and Environmental Protection Plan (Bay Environmental, 2012). The drawings referred to in this memorandum are included in the approved Work Plan (McLean, 2013).

4.2 QA/QC Deviations for Action Implementation

The following deviations from the NTCRA Action Memorandums and approved Work Plan were implemented following approval from USEPA and VDEQ:

- Use of a clamshell dredge bucket with digging teeth in areas where dense sand prevented penetration of the
 environmental dredge bucket. Without the change of the dredge bucket type, those areas of dense sand
 could not be dredged to the prescribed depths.
- 10-foot length of turbidity curtain used during dredging operations with clamshell dredge bucket versus 5-foot length used during dredging with environmental dredge bucket.
- Backfill of grid cells where clamshell bucket was utilized with a minimum of 1 foot of sand as opposed to 0.5 feet.
- Grid cell 6 backfilled with 1 foot of sand versus 2 feet, entire petroleum impacted layer of sediment was removed during dredging.

ES090512212538VBO 4-1

- Passive release of water from the environmental dredge bucket by screened vents as opposed to the pumping
 and filtering of supernatant water from the scow for discharge to surface water. The use of passive venting of
 water from the dredge buckets minimized the volume of supernantant water present in the scow eliminating
 the need for pumping.
- Passive release of water through the open top of the clamshell bucket as opposed to the pumping and
 filtering of supernatant water from the scow for discharge to surface water. Release of water from the top of
 the clamshell bucket as well as the low volume of water contained in the interstitial space of the dense sand
 dredged using this equipment eliminated the need for pumping.

4-2 ES090512212538VBO

SECTION 5

Summary and Conclusions

Based on the activities documented in this report, the removal action objectives as outlined in **Section 1.5** were achieved. A total of 12,600 yd³ of sediment were removed at SWMU 3 and 4,040 yd³ of sediment were removed at SWMU 7b. Following removal, dredge material was transported up river to Port Weanack for solidification prior to offloading for trucking to landfill. Following solidification, dredged materials were transported to and disposed of at Waste Management's Charles City Landfill. Post-dredge bathymetric surveys document successful achievement of required depths. A total of 8,915 yd³ of clean sand were imported by hopper scow and tug from Vulcan Material Company and used to backfill dredge areas. 6,580 yd³ of sand were placed at SWMU 3 and 2,335 yd³ of sand were placed at SWMU 7b. Post-sand placement confirmation sand cores document successful placement of required sand thicknesses in each grid cell.

ES090512212538VBO 5-1

SECTION 6

References

Bay Environmental. 2012. Environmental Protection Plan—Version 1. FY 2012 Maintenance Dredging, JEB Little Creek Teen Piers. October.

CH2M HILL. 2012. Final Engineering Evaluation/Cost Analysis for Solid Waste Management Unit 3 Pier 10 Sandblast Yard, Joint Expeditionary Base Little Creek, Virginia Beach, Virginia. December.

CH2M HILL. 2013a. Risk Assessment Update - Vapor Intrusion Evaluation, SWMU 3, Joint Expeditionary Base Little Creek, Virginia Beach, Virginia. June.

CH2M HILL. 2013b. Final Engineering Evaluation/Cost Analysis for Solid Waste Management Unit 7b Small Boats Sandblast Yard, Joint Expeditionary Base Little Creek, Virginia Beach, Virginia. January.

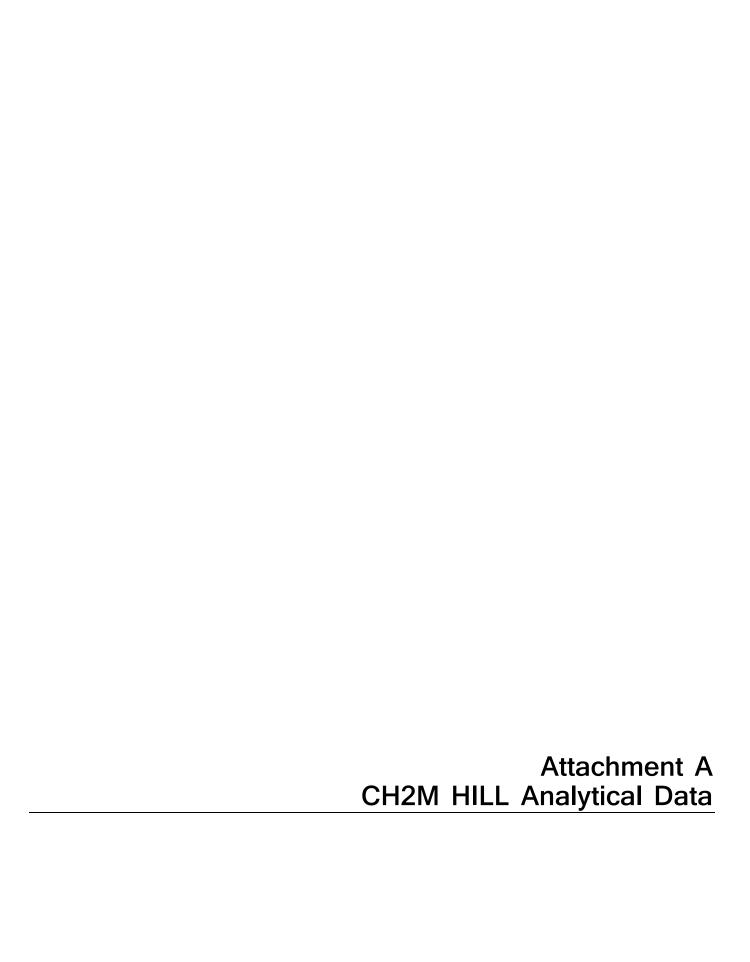
McLean Contracting Company (McLean). 2012. *Quality Control Plan, FY 2012 Maintenance Dredging, Joint Expeditionary Base Little Creek, Teen Piers, Virginia Beach, Virginia*. October.

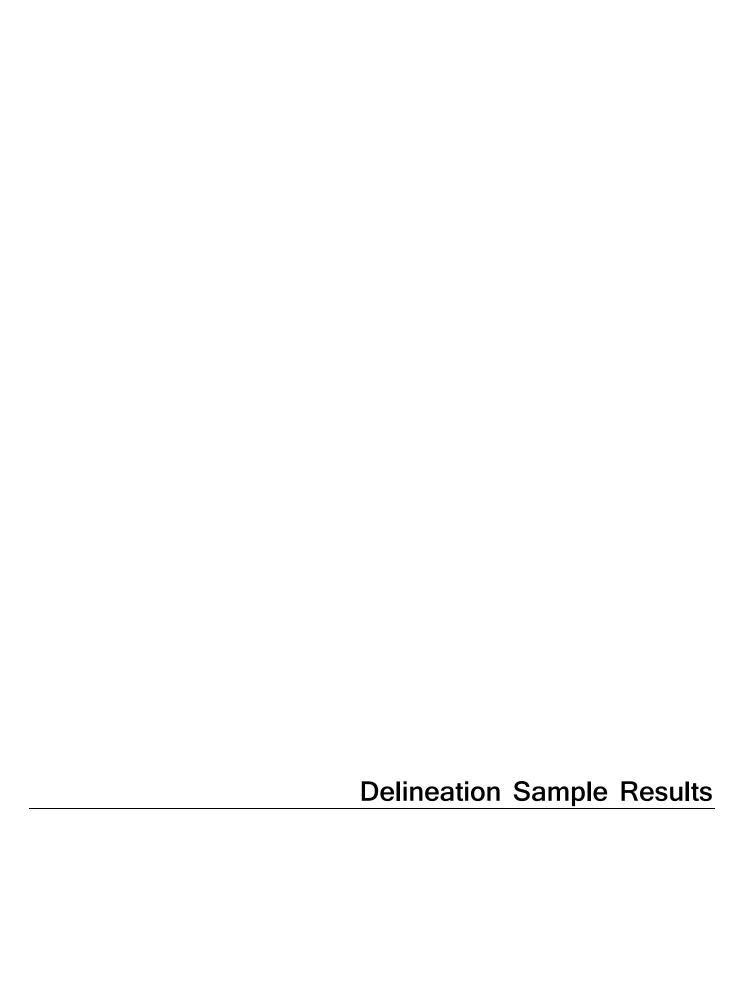
McLean Contracting Company (McLean). 2013. *Dredge Work Plan, FY 2012 Maintenance Dredging, Joint Expeditionary Base Little Creek, Teen Piers, Virginia Beach, Virginia*. January.

Rogers, Golden, and Halpern. 1984. *Initial Assessment Study of Naval Amphibious Base Little Creek, Norfolk, Virginia*. December.

U.S. Environmental Protection Agency (USEPA). 1993. *Region III Modifications to Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analysis*. April.

ES090512212538VBO 6-1





Little Creek, SWMU 3

Validated Sediment Raw Analytical Results 12/1/2012

					12/1/2012					
Station ID	LW03-SD608			LW03-SD6	09A		LW03-SD614			
Sample ID	LW03-SD608-1218-12D	03-SD609A-1218-	03-SD609A-2430-1	LW03-SD609A-3642-12D	LW03-SD609A-4854-12D	LW03-SD609A-6066-12D	LW03-SD614-1218-12D	LW03-SD614P-1218-12D	LW03-SD614-2430-12D	
Sample Date	12/04/12	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/04/12	12/04/12	12/04/12	
Chemical Name										
Total Metals (MG/KG)										
Copper	17.9	1,320	830	214	424	236	168	219	32.8	
Lead	15 J	761	820	213	376	208 L	100	137	22.8 J	
Nickel	5.13 J	167	208	46.1	93.1 L	42.7 K	18.6 J	33.7 J	8.56	
Tin	2.68 B	161	221	39.2 J	82.8 L	41.1 L	16.1 B	26.6 J	2.28 B	
Zinc	50.2 L	3,100	3,600	694	1,510	788	395	554	79.9	

C:\Users\kmalley\Documents\Work\Harris_Brooke\Att A_CH2M HILL Analytical Results\Delineation Sample Results\[Table 1 - LC_SWMU3_Dec12_RD Table.xls], mmorri13, 04/04/2013

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Raw Analytical Results

12/1/2012

			12, 1120				
Station ID		LW03-	SD616		LW03-	SD620	LW03-SD621
Sample ID	LW03-SD616-1218-12D	LW03-SD616-2430-12D	LW03-SD616-3642-12D	LW03-SD616-4854-12D	LW03-SD620-1218-12D	LW03-SD620-2430-12D	LW03-SD621-1218-12D
Sample Date	12/05/12	12/05/12	12/05/12	12/05/12	12/04/12	12/04/12	12/04/12
Chemical Name							
Total Metals (MG/KG)							
Copper	516	248	171 L	7.89	120	71.7	133
Lead	548	233	150 L	9.17 J	1,490	40.1	122
Nickel	140 L	36.4	18.8	5.43	19	16.1	15.5
Tin	141 L	28.9 J	20 J	20.5 U	5.18 B	3.12 B	7.21 B
Zinc	2,330	562	415	29.1	402	164	297

C:\Users\kmalley\Documents\Work\Harris_Brook

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Raw Analytical Results 12/1/2012

				12/1/2012				
Station ID		LW03	3-SD622				LW03-SD627	
Sample ID	LW03-SD622-1218-12D	LW03-SD622P-1218-12D	LW03-SD622-2430-12D	LW03-SD622-3642-12D	LW03-SD623-1218-12D	LW03-SD623-2430-12D	LW03-SD623-3642-12D	LW03-SD627-1218-12D
Sample Date	12/05/12	12/05/12	12/05/12	12/05/12	12/05/12	12/05/12	12/05/12	12/04/12
Chemical Name								
Total Metals (MG/KG)								
Copper	288	285	161	16.6	166	183	11.5	233
Lead	295	282	155	16.5 J	219	128	11.7 J	113
Nickel	46.5	33.4	32.7	16.5	54.2	30.4	10.2	27.1
Tin	46	36.9 J	21.6 J	1.74 B	41.9 J	25.5 J	3.39 B	9.98 B
Zinc	927	933	434	70.7	865	489	47.4	500

C:\Users\kmalley\Documents\Work\Harris_Brook

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Raw Analytical Results 12/1/2012

				12/1/2012	<u> </u>				
Station ID	LW03-SD628		LW03-	SD629	LW03-SD633	LW03-SD634	LW03	3-SD635	LW03-SD637
Sample ID	LW03-SD628-1218-12D	LW03-SD628-2430-12D	LW03-SD629-1218-12D	LW03-SD629-2430-12D	LW03-SD633-1218-12D	LW03-SD634-1218-12D	LW03-SD635-1218-12D	LW03-SD635-2430-12D	LW03-SD637-1218-12D
Sample Date	12/05/12	12/05/12	12/05/12	12/05/12	12/06/12	12/09/12	12/08/12	12/08/12	12/06/12
Chemical Name									
Total Metals (MG/KG)									
Copper	193	62.8	91.1	21.1	153	274 L	834	76.2	69.5
Lead	167	33.4	233	16 J	70.1	122 L	787	56.7	38.6
Nickel	42.8	13.2	19.8	4.96	23	18.8	147	23.2	17.5
Tin	23.2 J	3.42 B	16.5 J	1.97 B	7.45 B	8.43 B	231	6.06 B	3.86 B
Zinc	701	131	377	44.8	310	407 L	2,370	260	164 K

C:\Users\kmalley\Documents\Work\Harris_Brook

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Raw Analytical Results

12/1/2012

				12/ 1/2012				
Station ID		LW03-S	SD640		LW03-SD645			
Sample ID	LW03-SD640-1218-12D	LW03-SD640P-1218-12D	LW03-SD640-2430-12D	LW03-SD640-3642-12D	LW03-SD641-1218-12D	03-SD641-2430-1	LW03-SD641-3642-12D	LW03-SD645-1218-12D
Sample Date	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/09/12
Chemical Name								
Total Metals (MG/KG)								
Copper	147	188	215	142	524	193	47.4	46.3
Lead	142	116	127	131	240	139	32.3	27
Nickel	15.2	16.8	22.9	20.6	62.9	64.3	8.4	12.2
Tin	8.5 B	8.68 B	15.2 J	5.81 B	62.5 J	45.2	3.07 B	2.34 B
Zinc	1,320 J	378 J	666	300	1,050	495	165	106

C:\Users\kmalley\Documents\Work\Harris_Brook

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Raw Analytical Results

12/1/2012

			12/1/2012			
Station ID		LW03-5	LW03-SD649	LW03-SD655		
Sample ID	LW03-SD647-1218-12D	LW03-SD647P-1218-12D	LW03-SD647-2430-12D	LW03-SD647-3642-12D	LW03-SD649-1218-12D	LW03-SD655-1218-12D
Sample Date	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/09/12
Chemical Name						
Total Metals (MG/KG)						
Copper	719 J	362 J	57.8 L	50.1 L	146 K	145
Lead	101 J	217 J	2,550	41.5	94 K	126
Nickel	22.7 J	49.3 J	9.34	13.1	18.3	21.8
Tin	11.9 B	45.8 J	7.34 B	4.68 B	7 B	6.48 B
Zinc	556 J	962 J	1,040	157 L	349 K	300

C:\Users\kmalley\Documents\Work\Harris_Brook

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Detected Analytical Results

12/1/2012

·					LOTE				
Station ID	LW03-SD608				LW03-SD614				
Sample ID	LW03-SD608-1218-12D	LW03-SD609A-1218-12D	LW03-SD609A-2430-12D	LW03-SD609A-3642-12D	LW03-SD609A-4854-12D	LW03-SD609A-6066-12D	LW03-SD614-1218-12D	LW03-SD614P-1218-12D	LW03-SD614-2430-12D
Sample Date	12/04/12	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/04/12	12/04/12	12/04/12
Chemical Name									
Total Metals (MG/KG)									
Copper	17.9	1,320	830	214	424	236	168	219	32.8
Lead	15 J	761	820	213	376	208 L	100	137	22.8 J
Nickel	5.13 J	167	208	46.1	93.1 L	42.7 K	18.6 J	33.7 J	8.56
Tin	2.68 B	161	221	39.2 J	82.8 L	41.1 L	16.1 B	26.6 J	2.28 B
Zinc	50.2 L	3,100	3,600	694	1,510	788	395	554	79.9

C:\Users\kmalley\Documents\kmrk\Harris_Brooke\Att A_CH2M HILL Analytical Results\Delineation Sample Results\[Table 1 - LC_SWMU3_Dec12_RD Table.xls], mmorri13, 04/04/2013

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Detected Analytical Results

12/1/2012

The state of the s			12/1/201	_			
Station ID		LW03-	SD616		LW03-	SD620	LW03-SD621
Sample ID	LW03-SD616-1218-12D	LW03-SD616-2430-12D	LW03-SD616-3642-12D	LW03-SD616-4854-12D	LW03-SD620-1218-12D	LW03-SD620-2430-12D	LW03-SD621-1218-12D
Sample Date	12/05/12	12/05/12	12/05/12	12/05/12	12/04/12	12/04/12	12/04/12
Chemical Name							
Total Metals (MG/KG)							
Copper	516	248	171 L	7.89	120	71.7	133
Lead	548	233	150 L	9.17 J	1,490	40.1	122
Nickel	140 L	36.4	18.8	5.43	19	16.1	15.5
Tin	141 L	28.9 J	20 J	20.5 U	5.18 B	3.12 B	7.21 B
Zinc	2,330	562	415	29.1	402	164	297

C:\Users\kmalley\Documents\Work\Harris_Brooke

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3

Validated Sediment Detected Analytical Results

12/1/2012	
12/1/2012	

Station ID		LW03-	SD622			LW03-SD623		LW03-SD627
Sample ID	LW03-SD622-1218-12D	LW03-SD622P-1218-12D	LW03-SD622-2430-12D	LW03-SD622-3642-12D	LW03-SD623-1218-12D	LW03-SD623-2430-12D	LW03-SD623-3642-12D	LW03-SD627-1218-12D
Sample Date	12/05/12	12/05/12	12/05/12	12/05/12	12/05/12	12/05/12	12/05/12	12/04/12
Chemical Name								
Total Metals (MG/KG)								
Copper	288	285	161	16.6	166	183	11.5	233
Lead	295	282	155	16.5 J	219	128	11.7 J	113
Nickel	46.5	33.4	32.7	16.5	54.2	30.4	10.2	27.1
Tin	46	36.9 J	21.6 J	1.74 B	41.9 J	25.5 J	3.39 B	9.98 B
Zinc	927	933	434	70.7	865	489	47.4	500

C:\Users\kmalley\Documents\Work\Harris_Brooke

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3

Validated Sediment Detected Analytical Results 12/1/2012

				12/1/2012					
Station ID	LW03-SD628		LW03-SD629		LW03-SD633	LW03-SD634	LW03	-SD635	LW03-SD637
Sample ID	LW03-SD628-1218-12D	LW03-SD628-2430-12D	LW03-SD629-1218-12D	LW03-SD629-2430-12D	LW03-SD633-1218-12D	LW03-SD634-1218-12D	LW03-SD635-1218-12D	LW03-SD635-2430-12D	LW03-SD637-1218-12D
Sample Date	12/05/12	12/05/12	12/05/12	12/05/12	12/06/12	12/09/12	12/08/12	12/08/12	12/06/12
Chemical Name									
Total Metals (MG/KG)									
Copper	193	62.8	91.1	21.1	153	274 L	834	76.2	69.5
Lead	167	33.4	233	16 J	70.1	122 L	787	56.7	38.6
Nickel	42.8	13.2	19.8	4.96	23	18.8	147	23.2	17.5
Tin	23.2 J	3.42 B	16.5 J	1.97 B	7.45 B	8.43 B	231	6.06 B	3.86 B
Zinc	701	131	377	44.8	310	407 L	2,370	260	164 K

C:\Users\kmalley\Documents\Work\Harris_Brooke

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Detected Analytical Results

12/1/2012

Station ID		LW03-5	SD640	, ,,_ •		LW03-SD641		LW03-SD645
Sample ID	LW03-SD640-1218-12D	LW03-SD640P-1218-12D	LW03-SD640-2430-12D	LW03-SD640-3642-12D	LW03-SD641-1218-12D	LW03-SD641-2430-12D	LW03-SD641-3642-12D	LW03-SD645-1218-12D
Sample Date	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/09/12
Chemical Name								
Total Metals (MG/KG)								
Copper	147	188	215	142	524	193	47.4	46.3
Lead	142	116	127	131	240	139	32.3	27
Nickel	15.2	16.8	22.9	20.6	62.9	64.3	8.4	12.2
Tin	8.5 B	8.68 B	15.2 J	5.81 B	62.5 J	45.2	3.07 B	2.34 B
Zinc	1,320 J	378 J	666	300	1,050	495	165	106

C:\Users\kmalley\Documents\Work\Harris_Brooke

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

Little Creek, SWMU 3 Validated Sediment Detected Analytical Results

12/1/2012

			12, 1/2012			
Station ID		LW03-\$	SD647		LW03-SD649	LW03-SD655
Sample ID	LW03-SD647-1218-12D	LW03-SD647P-1218-12D	LW03-SD647-2430-12D	LW03-SD647-3642-12D	LW03-SD649-1218-12D	LW03-SD655-1218-12D
Sample Date	12/08/12	12/08/12	12/08/12	12/08/12	12/08/12	12/09/12
Chemical Name						
Total Metals (MG/KG)						
Copper	719 J	362 J	57.8 L	50.1 L	146 K	145
Lead	101 J	217 J	2,550	41.5	94 K	126
Nickel	22.7 J	49.3 J	9.34	13.1	18.3	21.8
Tin	11.9 B	45.8 J	7.34 B	4.68 B	7 B	6.48 B
Zinc	556 J	962 J	1,040	157 L	349 K	300

C:\Users\kmalley\Documents\Work\Harris_Brooke

Notes:

Shading indicates detections

- NA Not analyzed
- B Analyte not detected above the level reported in blanks
- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be lower
- L Analyte present, value may be biased low, actual value may be higher
- U The material was analyzed for, but not detected

CTO-WE07 Little Creek, SWMU 7 ated SedimentRaw Analytical

Validated SedimentRaw Analytical Results 12/12/2013

Station ID		LW07-SD501		LW07	-SD502	LW07-SD503	LW07-SD504	LW07	-SD505	LW07-SD506	LW07-SD507
Sample ID	LW07-SD501-1218-12D	LW07-SD501P-1218-12D	LW07-SD501-2430-12D	LW07-SD502-1218-12D	LW07-SD502-2430-12D	LW07-SD503-1218-12D	LW07-SD504-1218-12D	LW07-M3-SD505-0006-12D	LW07-M3-SD505P-0006-12D	LW07-L5-SD506-0006-12D	LW07-SD507-0006-12D
Sample Date	12/06/12	12/06/12	12/06/12	12/06/12	12/06/12	12/07/12	12/07/12	12/07/12	12/07/12	12/07/12	12/07/12
Chemical Name											
Total Metals (MG/KG)											
Copper	237 J	136 J	27.9	133	75.2	63.7	109	91	102	43.5	55.3
Lead	480 J	154 J	24.3 J	278	213	297	71.4	95.6	125	88.7 L	39.6
Mercury	0.641 K	1.18 J	0.315	0.434	0.671	0.293	0.408	0.963	0.566	0.263 J	0.241
Zinc	730	874	146	770	562	465	365	414	550	219 L	242

C:\Users\kmalley\Documents\Work\Harris_Brooke\Att A_CH2M HILL Analytical Results\Delineation Sample Results\\Table 2 - LC_SWMU7_Dec12_RD Table.xls|, mmorri13, 04/04/2013

Notes:

Shading indicates detections

NA - Not analyzed

- J Analyte present, value may or may not be accurate or precise
- K Analyte present, value may be biased high, actual value may be
- L Analyte present, value may be biased low, actual value may be

CTO-WE07 Little Creek, SWMU 7

Validated Sediment Detected Analytical Results 12/12/2013

					12, 12, 1						
Station ID		LW07-SD501		LW07-	SD502	LW07-SD503	LW07-SD504	LW07-	SD505	LW07-SD506	LW07-SD507
Sample ID	LW07-SD501-1218-12D	LW07-SD501P-1218-12D	LW07-SD501-2430-12D	LW07-SD502-1218-12D	LW07-SD502-2430-12D	LW07-SD503-1218-12D	LW07-SD504-1218-12D	LW07-M3-SD505-0006-12D	LW07-M3-SD505P-0006-12D	LW07-L5-SD506-0006-12D	LW07-SD507-0006-12D
Sample Date	12/06/12	12/06/12	12/06/12	12/06/12	12/06/12	12/07/12	12/07/12	12/07/12	12/07/12	12/07/12	12/07/12
Chemical Name											
Total Metals (MG/KG)											
Copper	237 J	136 J	27.9	133	75.2	63.7	109	91	102	43.5	55.3
Lead	480 J	154 J	24.3 J	278	213	297	71.4	95.6	125	88.7 L	39.6
Mercury	0.641 K	1.18 J	0.315	0.434	0.671	0.293	0.408	0.963	0.566	0.263 J	0.241
Zinc	730	874	146	770	562	465	365	414	550	219 L	242

C:\Users\kmalley\Documents\Work\Harris_Brooke\Att A_CH2M HILL Analytical Results\Delineation Sample Results\\Table 2 - LC_SWMU7_Dec12_RD Table.xls|, mmorri13, 04/04/2013

Notes

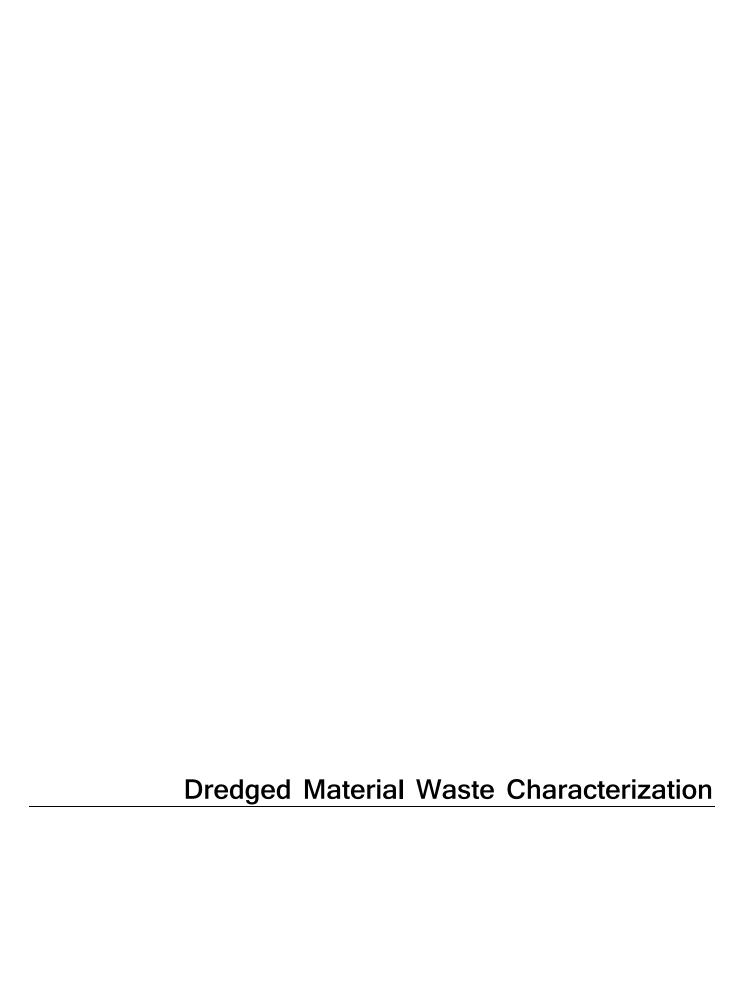
Shading indicates detections

NA - Not analyzed

J - Analyte present, value may or may not be accurate or precise

K - Analyte present, value may be biased high, actual value may be lower

L - Analyte present, value may be biased low, actual value may be higher



	T	1		I		
Sample ID		LW03-SD609A-3672-IDW-120812			LW03-SD622-0036-IDW-120512	
Sample Date	12/8/2012 15:00	12/8/2012 15:05	12/5/2012 11:20	12/5/2012 11:25	12/5/2012 8:15	12/5/2012 8:20
Chemical Name						
Volatile Organic Compounds (MG/KG)	+					
Benzene	0.0009 U	0.001 U	0.001 U	0.0011 U	0.0016 U	0.0011 U
Ethylbenzene	0.0009 U	0.001 U	0.001 U	0.0011 U	0.0016 U	0.0011 U
m- and p-Xylene	0.0019 U	0.0021 U	0.002 U	0.0021 U	0.0031 U	0.0022 U
o-Xylene	0.0009 U	0.001 U	0.001 U	0.0011 U	0.0016 U	0.0011 U
Toluene	0.0009 U	0.001 U	0.001 U	0.0011 U	0.0016 U	0.0011 U
Xylene, total	0.0028 U	0.0031 U	0.003 U	0.0032 U	0.0047 U	0.0034 U
TCLP Volatile Organic Compounds (MG/L)						
1,1-Dichloroethene	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
1,2-Dichloroethane	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
2-Butanone	1 UD	1 UDQ	1 UD	1 UD	1 UD	1 UD
Benzene	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Carbon tetrachloride	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Chlorobenzene	0.1 UD		0.1 UD	0.1 UD	0.1 UD	0.1 UD
Chloroform	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Tetrachloroethene	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Trichloroethene	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Vinyl chloride	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD	0.1 UD
TCLP Semivolatile Organic Compounds (MG/L)	_					
1,4-Dichlorobenzene	0.003 UQ	0.003 U	0.003 U	0.003 UQ	0.003 U	0.003 UQ
2,4,5-Trichlorophenol	0.006 U	0.006 UQ	0.006 U	0.006 UQ	0.006 U	0.006 UQ
2,4,6-Trichlorophenol	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
2,4-Dinitrotoluene	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
2-Methylphenol	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
3- and 4-Methylphenol	0.006 UQ	0.006 UQ	0.006 UQ	0.006 UQ	0.006 UQ	0.006 UQ
Hexachlorobenzene	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Hexachlorobutadiene	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Hexachloroethane	0.003 UQ	0.003 U	0.003 U	0.003 UQ	0.003 U	0.003 UQ
Nitrobenzene	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Pentachlorophenol	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
Pyridine	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Pesticide/Polychlorinated Biphenyls (MG/KG)						
Aroclor-1016	0.024 U	0.024 U	0.026 U	0.026 U	0.031 U	0.028 U
Aroclor-1016/1242	0.024 U	0.024 U	0.026 U	0.026 U	0.031 U	0.028 U
Aroclor-1221	0.024 U	0.024 U	0.026 U	0.026 U	0.031 U	0.028 U
Aroclor-1232	0.024 U	0.024 U	0.026 U	0.026 U	0.031 U	0.028 U
Aroclor-1242	0.024 U	0.024 U	0.026 U	0.026 U	0.031 U	0.028 U
Aroclor-1248	0.024 U	0.024 U	0.026 U	0.026 U	0.031 U	0.028 U
Aroclor-1254 Aroclor-1260	0.024 U 0.024 U	0.024 U 0.024 U	0.026 U 0.026 U	0.026 U 0.026 U	0.031 U 0.019 J	0.028 U 0.028 U
		3.32.1				
TCLP Pesticides/Polychlorinated Biphenyls (MG/L)		0.2222				
Endrin	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
gamma-BHC (Lindane)	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor epoxide	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Methoxychlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
technical-Chlordane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toxaphene	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U

CTO-WE34 Little Creek SWMU 3 and 7B IDW Raw Analytical Results December 2012

Sample ID	LW03-SD609A-0036-IDW-120812	LW03-SD609A-3672-IDW-120812	LW03-SD616-0036-IDW-120512	LW03-SD616-3672-IDW-120512	LW03-SD622-0036-IDW-120512	I W03-SD622-3672-IDW-120512
Sample Date	12/8/2012 15:00	12/8/2012 15:05	12/5/2012 11:20	12/5/2012 11:25	12/5/2012 8:15	12/5/2012 8:20
-	12/8/2012 13.00	12/6/2012 15:05	12/3/2012 11.20	12/3/2012 11.23	12/3/2012 6.13	12/3/2012 6.20
Chemical Name						
TCLP Herbicides (MG/L)						
2,4,5-TP (Silvex)	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
2,4-D	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
·						
Dioxin/Furans (PG/G)						
1,2,3,4,6,7,8-Heptachlorodibenzofuran	3.84 J	3.7 J	72.1	4.25 U	136	15.3
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	22.7	14	375	99.1	424	150
1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.85 U	3.85 U	3.04 J	4.25 U	8.75	4.06 U
1,2,3,4,7,8-Hexachlorodibenzofuran	3.85 U	3.85 U	3.89 U	4.25 U	7.36 J	4.06 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	3.85 U	3.85 U	3.89 U	2.75 J	10.2	4.02 J
1,2,3,6,7,8-Hexachlorodibenzofuran	3.85 U	3.85 U	3.89 U	4.25 U	7.68	4.06 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	3.85 U	3.85 U	10.5	3.91 J	19.7	6.64
1,2,3,7,8,9-Hexachlorodibenzofuran	3.85 U	3.85 U	3.89 U	4.25 U	4.72 J	4.06 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.85 U	3.85 U	4.38 J	7.61	23	11
1,2,3,7,8-Pentachlorodibenzofuran	3.85 U	3.85 U	3.89 U	4.25 U	4.11 J	4.06 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	3.85 U	3.85 U	3.89 U	4.25 U	6 J	2.21 J
2,3,4,6,7,8-Hexachlorodibenzofuran	3.85 U	3.85 U	3.89 U	4.25 U	9.78	4.06 U
2,3,4,7,8-Pentachlorodibenzofuran	3.85 U	3.85 U	3.89 U	4.25 U	6.77 J	4.06 U
2,3,7,8-TCDD (dioxin)	0.768 U	0.768 U	0.775 U	0.847 U	1.13 J	0.809 U
2,3,7,8-Tetrachlorodibenzofuran	0.478 J	0.376 J	0.571 J	0.468 J	2.97	0.52 JK
Octachlorodibenzofuran	10.8 J	5.2 J	355	8.47 U	281	36.1
Octachlorodibenzo-p-dioxin	281	27	3,670	1,760	5,850	1,790
TCLP Metals (MG/L)						
	2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD
Arsenic Barium	0.503 JD	2.5 UD	2.3 UD	2.5 UD	2.5 UD	2.5 UD
Cadmium	1 UD	1 UD	1 UD	1 UD	1 UD	1 UD
Chromium	0.75 UD		0.75 UD	0.75 UD	0.75 UD	0.75 UD
Lead	1.34 D	1.48 D	0.73 0D 0.518 D	0.75 UD	0.73 dD	0.73 OD
Mercury	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U	0.0007 U
Selenium	0.65 UD	0.65 UD	0.65 UD	0.65 UD	0.65 UD	0.65 UD
Silver	0.029 UD	0.029 UD	0.029 UD	0.029 UD	0.029 UD	0.029 UD
	0.020 00	0.020 00	0.020 02	0.020 05	0.020 05	0.020 05
Wet Chemistry						
Corrosivity (pH Units)	8	7.7	8.4	8.3	8.6	8.5
Total organic halogens (TOX) (MG/KG)	9.1 U	9.4 U	8.5 U	14.9	10 U	10 U
Total Petroleum Hydrocarbons (MG/KG)						
TPH-diesel range	81	62 Q	56	8.3	180	3.7 U
TPH-gas range	8.7	7.5	3.4 J	5.3 U	9.2 U	5 U
Reactivity (MG/KG)						
Reactive cyanide	500 U	500 U	500 U	500 U	500 U	500 U
Reactive sulfide	250 U	250 U	250 U	250 U	250 U	250 U
Ignitability (DEG/F)						
Ignitability	200 U	200 U	200 U	200 U	200 U	200 U

Sample ID	LW03-SD609A-0036-IDW-120812	LW03-SD609A-3672-IDW-120812	LW03-SD616-0036-IDW-120512	LW03-SD616-3672-IDW-120512	LW03-SD622-0036-IDW-120512	LW03-SD622-3672-IDW-120512
Sample Date	12/8/2012 15:00	12/8/2012 15:05	12/5/2012 11:20	12/5/2012 11:25	12/5/2012 8:15	12/5/2012 8:20
Chemical Name						

Notes:

- D Sample analyzed at a dilution.
- E Concentration exceeds calibration range of GC/MS instrument
- J Below reporting limit.
- K Estimated maximum possible concentration (EMPC)
- Q Quantitative interference (dioxins only); One or more quality control criteria outside acceptance limits (all other data).
- U Not detected.

DEG/F - Degrees Fahrenheit

MG/KG - Milligrams per kilogram

MG/L - Milligrams per liter

PG/G - Picograms per gram

PH - pH units

			T			
Sample ID	LW03-SD623-0036-IDW-120512		LW03-SD628-0036-IDW-120512	LW03-SD629-0036-IDW-120512	LW03-SD633-0036-IDW-120612	LW03-SD634-0036-IDW-120912
Sample Date	12/5/2012 9:55	12/5/2012 10:00	12/5/2012 13:10	12/5/2012 14:30	12/6/2012 11:00	12/9/2012 9:00
Chemical Name						
Volatile Organic Compounds (MG/KG)						
Benzene	0.0013 U	0.0012 U	0.0018 U	0.0011 U	0.0033 U	0.0066 J
Ethylbenzene	0.0013 U	0.0012 U	0.0018 U	0.0011 U	0.0033 U	0.000 J
m- and p-Xylene	0.0013 U	0.0012 U	0.0036 U	0.0022 U	0.0065 U	0.004 U
o-Xylene	0.0013 U	0.0012 U	0.0018 U	0.0011 U	0.0033 U	0.004 U
Toluene	0.0013 U	0.0012 U	0.0018 U	0.0011 U	0.0033 U	0.004 U
Xylene, total	0.0039 U	0.0037 U	0.0055 U	0.0033 U	0.0098 U	0.012 U
7,710110,7101101	3.3333 3	0.000.	0.0000	0.0000	0.0000	0.0.2 0
TCLP Volatile Organic Compounds (MG/L)						
1,1-Dichloroethene	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
1,2-Dichloroethane	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
2-Butanone	1 UD	1 U	1 UD	1 U	1 UD	1 UD
Benzene	0.1 UD	0.1 U	0.1 UD		0.1 UD	0.1 UD
Carbon tetrachloride	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
Chlorobenzene	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
Chloroform	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
Tetrachloroethene	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
Trichloroethene	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
Vinyl chloride	0.1 UD	0.1 U	0.1 UD	0.1 U	0.1 UD	0.1 UD
TCL D Coming lettle Organic Company de (MC/I)						
TCLP Semivolatile Organic Compounds (MG/L)	0.003 U	0.003 UQ	0.002.11	0.003.11	0.003.11	0.003.110
1,4-Dichlorobenzene	0.003 U 0.006 U	0.003 UQ		0.003 U 0.006 U	0.003 U 0.006 U	0.003 UQ 0.006 U
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
2,4-Dinitrotoluene	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
2-Methylphenol	0.008 U	0.008 U	0.006 U	0.008 U	0.008 U	0.006 U 0.003 U
3- and 4-Methylphenol	0.003 U 0.006 UQ	0.003 UQ			0.003 U 0.006 UQ	0.003 U 0.006 UQ
Hexachlorobenzene	0.000 UQ 0.003 U	0.000 U	0.000 U	0.000 UQ	0.000 UQ	0.003 U
Hexachlorobutadiene	0.003 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Hexachloroethane	0.003 U	0.003 UQ		0.003 U	0.003 U	0.003 UQ
Nitrobenzene	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
Pentachlorophenol	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U	0.009 U
Pyridine	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
•						
Pesticide/Polychlorinated Biphenyls (MG/KG)	0.000 11	0.007.11	0.000 11	0.000 11	0.040.11	0.057.11
Aroclor-1016	0.026 U	0.027 U	0.036 U	0.028 U	0.048 U	0.057 U
Aroclor-1016/1242	0.026 U	0.027 U	0.036 U	0.028 U	0.048 U	0.057 U
Aroclor-1221	0.026 U	0.027 U	0.036 U	0.028 U	0.048 U	0.057 U
Arcelor 1242	0.026 U 0.026 U	0.027 U 0.027 U	0.036 U 0.036 U	0.028 U	0.048 U	0.057 U
Aroclor-1242	0.026 U	0.027 U	0.036 U	0.028 U 0.028 U	0.048 U 0.048 U	0.057 U
Aroclor-1248 Aroclor-1254	0.026 U	0.027 U	0.036 U	0.028 U	0.048 U	0.057 U 0.057 U
Aroclor-1260	0.026 U 0.018 JQ	0.027 U	0.058 JQ	0.028 U 0.019 JQ	0.048 U	0.057 U
TCLP Pesticides/Polychlorinated Biphenyls (MG/L)						
Endrin	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
gamma-BHC (Lindane)	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor epoxide	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Methoxychlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
technical-Chlordane	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Toxaphene	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U	0.00064 U

CTO-WE34 Little Creek SWMU 3 and 7B IDW Raw Analytical Results December 2012

Sample ID	LW03-SD623-0036-IDW-120512	LW03-SD623-3672-IDW-120512	LW03-SD628-0036-IDW-120512	LW03-SD629-0036-IDW-120512	LW03-SD633-0036-IDW-120612	LW03-SD634-0036-IDW-120912
•						
Sample Date	12/5/2012 9:55	12/5/2012 10:00	12/5/2012 13:10	12/5/2012 14:30	12/6/2012 11:00	12/9/2012 9:00
Chemical Name						
TCLP Herbicides (MG/L)						
2,4,5-TP (Silvex)	0.0002 U					
2,4-D	0.0005 U					
Dioxin/Furans (PG/G)						
1,2,3,4,6,7,8-Heptachlorodibenzofuran	44.8	7.4	60.6	37.5	65.5	43.3
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	168	3.69 U	224	130	208	398
1,2,3,4,7,8,9-Heptachlorodibenzofuran	3.33 J	3.69 U	3.85 J	4.44 U	7.26 U	8.04 U
1,2,3,4,7,8-Hexachlorodibenzofuran	2.72 J	3.69 U	6.01 U	4.44 U	7.26 U	5.4 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	4.93 J	3.69 U	4.82 J	3.31 J	4.53 J	6.49 J
1,2,3,6,7,8-Hexachlorodibenzofuran	3.03 J	3.69 U	3.22 J	4.44 U	7.26 U	8.04 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	7.57	3.69 U	9.3	5.76 J	8.41 J	12 J
1,2,3,7,8,9-Hexachlorodibenzofuran	4.64 U	3.69 U	6.01 U	4.44 U	7.26 U	8.04 QU
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	9.3	3.69 U	9.98	7.23	9.66 J	15.2
1,2,3,7,8-Pentachlorodibenzofuran	4.64 U	3.69 U	6.01 U	4.44 U	7.26 U	8.04 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	4.64 U	0.606 J	6.01 U	4.44 U	7.26 U	8.04 U
2,3,4,6,7,8-Hexachlorodibenzofuran	3.9 J	3.69 U	4.05 J	3.38 J	3.92 J	8.04 U
2,3,4,7,8-Pentachlorodibenzofuran	3.43 J	3.69 U	3.24 J	3.83 J	7.26 U	5.35 J
2,3,7,8-TCDD (dioxin)	0.472 J	0.737 U 232	1.2 U	0.886 U	1.45 U	1.6 U
2,3,7,8-Tetrachlorodibenzofuran Octachlorodibenzofuran	1.53 119	17.5	2.11 130	1.04 J 60.3	2.14 J 110 Q	5.93 84.5
Octachlorodibenzoruran Octachlorodibenzo-p-dioxin	2030	20.8	2,990	2,410	2,880	3,830
Octachiorodibenzo-p-dioxin	2030	20.6	2,990	2,410	2,000	3,630
TCLP Metals (MG/L)						
Arsenic	2.5 UD					
Barium	2 UD					
Cadmium	1 UD					
Chromium	0.75 UD					
Lead	0.588 D	0.15 UD	0.0943 JD	0.366 D	0.0544 JD	0.0792 JD
Mercury	0.0007 U					
Selenium	0.65 UD					
Silver	0.029 UD					
Wet Chemistry						
Corrosivity (pH Units)	8.5	8.3	8.5	8.5	8.2	8.5
Total organic halogens (TOX) (MG/KG)	8.1 U	9.7 U	13.5 U	10.6 U	17.9 U	24.9 J
Total organic halogonic (1074) (Morrico)	0.1 0	0.7 0	10.0 0	10.0 0	17.5 5	21.00
Total Petroleum Hydrocarbons (MG/KG)						
TPH-diesel range	130	11	410	450 Q	480 Q	130
TPH-gas range	13	5.9	8.3 U	6 U	15 J	23
Reactivity (MG/KG)						
Reactive cyanide	500 U					
Reactive sulfide	250 U	810				
Ignitability (DEG/F)						
Ignitability	200 U					

Sample ID	LW03-SD623-0036-IDW-120512	LW03-SD623-3672-IDW-120512	LW03-SD628-0036-IDW-120512	LW03-SD629-0036-IDW-120512	LW03-SD633-0036-IDW-120612	LW03-SD634-0036-IDW-120912
Sample Date	12/5/2012 9:55	12/5/2012 10:00	12/5/2012 13:10	12/5/2012 14:30	12/6/2012 11:00	12/9/2012 9:00
Chemical Name						

Notes:

- D Sample analyzed at a dilution.
- E Concentration exceeds calibration range of GC/MS instrument
- J Below reporting limit.
- K Estimated maximum possible concentration (EMPC)
- Q Quantitative interference (dioxins only); One or more quality control criteria outside acceptance limits (all other data).
- U Not detected.

DEG/F - Degrees Fahrenheit

MG/KG - Milligrams per kilogram

MG/L - Milligrams per liter

PG/G - Picograms per gram

PH - pH units

Sample ID	LW03-SD635-0036-IDW-120812	LW03-SD637-0036-IDW-120612	LW03-SD640-0036-IDW-120812	LW03-SD640-3672-IDW-120812	LW03-SD641-0036-IDW-120812	LW03-SD641-3672-IDW-120812
Sample Date	12/8/2012 12:00	12/6/2012 9:40	12/8/2012 13:50	12/8/2012 13:55	12/8/2012 9:20	12/8/2012 9:25
	12/0/2012 12:00	12/0/2012 3.40	12/0/2012 10:00	12/0/2012 10:00	12/0/2012 3.20	12/0/2012 3:23
Chemical Name						
Volatile Organic Compounds (MG/KG)						
Benzene	0.0019 U	0.003 U	0.0028 U	0.0026 U	0.0018 U	0.0016 U
Ethylbenzene	0.0039	0.003 U	0.0028 U	0.0026 U	0.0018 U	0.0016 U
m- and p-Xylene	0.0038 U	0.0061 U	0.0056 U	0.0029 J	0.0037 U	0.0031 U
o-Xylene	0.0019 U	0.003 U	0.0019 J	0.0078	1.00E-03 J	0.0014 J
Toluene	0.0019 U	0.003 U	0.0028 U	0.0026 U	0.0018 U	0.0016 U
Xylene, total	0.0057 U	0.0091 U	0.0084 U	0.011	0.0055 U	0.0023 J
TCLP Volatile Organic Compounds (MG/L)						
1,1-Dichloroethene	0.1 UD	0.1 U				
1,2-Dichloroethane	0.1 OD 0.1 UD	0.1 UD	0.1 UD	0.1 OD 0.1 UD	0.1 UD	0.1 U
2-Butanone	1 UD	1 UD	1 UD	1 UDQ	1 UD	1 UQ
Benzene	0.1 UD	0.1 U				
Carbon tetrachloride	0.1 UD	0.1 UD	0.1 UD	0.1 OD 0.1 UD	0.1 UD	0.1 U
Chlorobenzene	0.1 UD	0.1 UD	0.1 UD	0.1 UDQ	0.1 UD	0.1 UQ
Chloroform	0.1 UD	0.1 UD	0.1 UD	0.1 ODQ 0.1 UD	0.1 UD	0.1 U
Tetrachloroethene	0.1 UD	0.1 U				
Trichloroethene	0.1 UD	0.1 U				
Vinyl chloride	0.1 UD	0.02 J				
TOLD Comingletile Ormania Communicado (MC/L)						
TCLP Semivolatile Organic Compounds (MG/L) 1,4-Dichlorobenzene	0.003 UQ	0.003 U	0.003 UQ	0.003 U	0.003 UQ	0.003 U
2,4,5-Trichlorophenol	0.003 UQ 0.006 U	0.003 U	0.003 UQ 0.006 U	0.003 U 0.006 UQ	0.003 UQ 0.006 U	0.003 U 0.006 UQ
2,4,6-Trichlorophenol	0.006 U					
2,4-Dinitrotoluene	0.006 U					
2-Methylphenol	0.003 U					
3- and 4-Methylphenol	0.006 UQ					
Hexachlorobenzene	0.003 U					
Hexachlorobutadiene	0.006 U					
Hexachloroethane	0.003 UQ	0.003 U	0.003 UQ	0.003 U	0.003 UQ	0.003 U
Nitrobenzene	0.006 U					
Pentachlorophenol	0.009 U					
Pyridine	0.003 U					
Pesticide/Polychlorinated Biphenyls (MG/KG)	0.020 11	0.05.11	0.047.11	0.042.11	0.027.11	0.031 U
Aroclor-1016 Aroclor-1016/1242	0.038 U 0.038 U	0.05 U 0.05 U	0.047 U 0.047 U	0.042 U 0.042 U	0.037 U 0.037 U	0.031 U
Aroclor-1016/1242 Aroclor-1221	0.038 U	0.05 U	0.047 U	0.042 U	0.037 U	0.031 U
Aroclor-1221 Aroclor-1232	0.038 U	0.05 U	0.047 U	0.042 U	0.037 U	0.031 U
Aroclor-1232 Aroclor-1242	0.038 U	0.05 U	0.047 U	0.042 U	0.037 U	0.031 U
Aroclor-1242 Aroclor-1248	0.038 U	0.05 U	0.047 U	0.042 U	0.037 U	0.031 U
Aroclor-1254	0.038 U	0.05 U	0.047 U	0.042 U	0.037 U	0.031 U
Aroclor-1260	0.038 U	0.05 U	0.047 U	0.042 U	0.037 J	0.031 U
TCLP Pesticides/Polychlorinated Biphenyls (MG/L) Endrin	0.00005 11	0.00005 U	0.00005.11	0.00005 11	0.00005 11	0.00005 U
gamma-BHC (Lindane)	0.00005 U 0.00005 U	0.00005 U	0.00005 U 0.00005 U	0.00005 U 0.00005 U	0.00005 U 0.00005 U	0.00005 U 0.00005 U
Heptachlor	0.00005 U					
Heptachlor epoxide	0.00005 U 0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Methoxychlor	0.00005 U					
technical-Chlordane	0.00005 U 0.001 U	0.0005 U 0.001 U	0.0005 U	0.00005 U	0.0005 U	0.0005 U 0.001 U
	0.001 U 0.00064 U			0.001 U	0.001 U 0.00064 U	
Toxaphene	0.00064 U	0.00064 U	0.00064 U	U.00064 U	0.00064 U	0.00064 U

CTO-WE34 Little Creek SWMU 3 and 7B IDW Raw Analytical Results December 2012

Sample ID	LW03-SD635-0036-IDW-120812	LW03-SD637-0036-IDW-120612	LW03-SD640-0036-IDW-120812	LW03-SD640-3672-IDW-120812	LW03-SD641-0036-IDW-120812	LW03-SD641-3672-IDW-120812
Sample Date	12/8/2012 12:00	12/6/2012 9:40	12/8/2012 13:50	12/8/2012 13:55	12/8/2012 9:20	12/8/2012 9:25
	12/0/2012 12:00	12/0/2012 9.40	12/0/2012 13.30	12/0/2012 13.33	12/0/2012 3.20	12/0/2012 9.20
Chemical Name						
TCLP Herbicides (MG/L)						
2,4,5-TP (Silvex)	0.0002 U					
2,4-D	0.0005 U					
Dioxin/Furans (PG/G)						
1,2,3,4,6,7,8-Heptachlorodibenzofuran	72.5	79.2	47.5	17.9	122	28.9
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	299	334	448	67.7	319	65.2
1,2,3,4,7,8,9-Heptachlorodibenzofuran	5.66 U	4.19 J	7.56 U	6.49 U	29.7 U	4.22 U
1,2,3,4,7,8-Hexachlorodibenzofuran	3.07 J	8.17 U	7.56 U	6.49 U	29.7 U	4.22 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	4.49 J	7.64 J	7.56 U	6.49 U	29.7 U	4.22 U
1,2,3,6,7,8-Hexachlorodibenzofuran	5.66 U	4.18 J	7.56 U	6.49 U	29.7 U	4.22 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	11.1	12.6	10.8 J	3.34 J	16 JK	3.08 J
1,2,3,7,8,9-Hexachlorodibenzofuran	5.66 QU	8.17 U	7.56 U	6.49 U	29.7 U	4.22 QU
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	11.7	15.9	10.5 J	4.38 J	29.7 U	3.43 J
1,2,3,7,8-Pentachlorodibenzofuran	5.66 U	8.17 U	7.56 U	6.49 U	29.7 U	4.22 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	5.66 U	8.17 U	7.56 U	6.49 U	29.7 U	4.22 U
2,3,4,6,7,8-Hexachlorodibenzofuran	5.66 U	5.33 J	7.56 U	6.49 U	29.7 U	2.87 J
2,3,4,7,8-Pentachlorodibenzofuran	4.03 J	4.1 J	7.56 U	3.51 J	29.7 U	5.78 J
2,3,7,8-TCDD (dioxin)	1.13 U	1.63 U	1.51 U	1.29 U	5.92 U	0.842 U
2,3,7,8-Tetrachlorodibenzofuran	2.19	2.7	2.88	1.04 J	3.85 J	0.71 J
Octachlorodibenzofuran	11.3 U	152	15.1 U	19.4	337	33.3
Octachlorodibenzo-p-dioxin	3,940	4,610	7,240	1,140	3,010	1,100
TCLP Metals (MG/L)						
Arsenic	2.5 UD					
Barium	2.3 UD	2.3 OD	2.5 UD	2.3 UD	2.5 UD	2.3 OD 2 UD
Cadmium	1 UD					
Chromium	0.75 UD					
Lead	0.0768 JD	0.75 OD	0.0834 JD	0.73 dB 0.0598 JD	1.07 D	0.13 JDQ
Mercury	0.0007 U					
Selenium	0.65 UD					
Silver	0.029 UD					
	0.020 02	0.020 00	0.020 02	0.020 05	0.020 02	0.020 00
Wet Chemistry						
Corrosivity (pH Units)	8.5	8.5	8.5	8.1	8.4	8.1
Total organic halogens (TOX) (MG/KG)	13.2 U	9.5 J	16.9 U	15.7 U	13.4 U	10.7 U
Total Petroleum Hydrocarbons (MG/KG)						
TPH-diesel range	870 D	760	370	1,600 E	1 100 5	1,700 D
	7 J	26	370	1,600 E 10 U	1,100 E 12	7,700 D 7.2 U
TPH-gas range	/ J	20	30	10 0	12	1.2 0
Reactivity (MG/KG)						
Reactive cyanide	500 U					
Reactive sulfide	780	250 U	510	250	550	250
Ignitability (DEG/F)						
Ignitability	200 U					

Sample ID	LW03-SD635-0036-IDW-120812	LW03-SD637-0036-IDW-120612	LW03-SD640-0036-IDW-120812	LW03-SD640-3672-IDW-120812	LW03-SD641-0036-IDW-120812	LW03-SD641-3672-IDW-120812
Sample Date	12/8/2012 12:00	12/6/2012 9:40	12/8/2012 13:50	12/8/2012 13:55	12/8/2012 9:20	12/8/2012 9:25
Chemical Name						

Notes:

- D Sample analyzed at a dilution.
- E Concentration exceeds calibration range of GC/MS instrument
- J Below reporting limit.
- K Estimated maximum possible concentration (EMPC)
- Q Quantitative interference (dioxins only); One or more quality control criteria outside acceptance limits (all other data).
- U Not detected.

DEG/F - Degrees Fahrenheit

MG/KG - Milligrams per kilogram

MG/L - Milligrams per liter

PG/G - Picograms per gram

PH - pH units

				<u> </u>	<u> </u>
Sample ID	LW03-SD645-0036-IDW-120912	LW03-SD647-0036-IDW-120812	LW03-SD647-3672-IDW-120812	LW03-SD649-0036-IDW-120812	LW03-SD655-0036-IDW-120912
Sample Date	12/9/2012 10:00	12/8/2012 8:20	12/8/2012 8:25	12/8/2012 10:40	12/9/2012 8:00
Chemical Name					
Volatile Organic Compounds (MG/KG)					
Benzene	0.0031 U	0.0016 U	0.0015 U	0.0035 U	0.0029 U
Ethylbenzene	0.0031 U	0.0016 U	0.0015 U	0.0035 U	0.0029 U
m- and p-Xylene	0.0063 U	0.0033 U	0.003 U	0.0069 U	0.0058 U
o-Xylene	0.0031 U	0.0016 U	0.0015 U	0.0035 U	0.0029 U
Toluene	0.0031 U	0.0016 U	0.0015 U	0.0035 U	0.0029 U
Xylene, total	0.0094 U	0.0049 U	0.0045 U	0.01 U	0.0087 U
TCLP Volatile Organic Compounds (MG/L)					
1,1-Dichloroethene	0.1 UD				
1,2-Dichloroethane	0.1 UD				
2-Butanone	1 UD	1 UD	1 UDQ	1 UD	1 UD
Benzene	0.1 UD				
Carbon tetrachloride	0.1 UD				
Chlorobenzene	0.1 UD	0.1 UD	0.1 UDQ	0.1 UD	0.1 UD
Chloroform	0.1 UD				
Tetrachloroethene	0.1 UD				
Trichloroethene	0.1 UD				
Vinyl chloride	0.1 UD				
,					
TCLP Semivolatile Organic Compounds (MG/L)					
1,4-Dichlorobenzene	0.003 UQ	0.003 UQ	0.003 U	0.003 UQ	0.003 UQ
2,4,5-Trichlorophenol	0.006 U	0.006 U	0.006 UQ	0.006 U	0.006 U
2,4,6-Trichlorophenol	0.006 U				
2,4-Dinitrotoluene	0.006 U				
2-Methylphenol	0.003 U				
3- and 4-Methylphenol	0.006 UQ				
Hexachlorobenzene	0.003 U				
Hexachlorobutadiene	0.006 U				
Hexachloroethane	0.003 UQ	0.003 UQ	0.003 U	0.003 UQ	0.003 UQ
Nitrobenzene	0.006 U				
Pentachlorophenol	0.009 U				
Pyridine	0.003 U				
Pesticide/Polychlorinated Biphenyls (MG/KG)					
Aroclor-1016	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1016/1242	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1221	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1232	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1242	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1248	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1254	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
Aroclor-1260	0.053 U	0.038 U	0.03 U	0.054 U	0.051 U
TCLP Pesticides/Polychlorinated Biphenyls (MG/L)					
Endrin	0.00005 U				
gamma-BHC (Lindane)	0.00005 U				
Heptachlor	0.00005 U				
Heptachlor epoxide	0.00005 U				
·					0.00005 U
Methoxychlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U	
technical-Chlordane	0.001 U				
Toxaphene	0.00064 U				

Sample ID	LW03-SD645-0036-IDW-120912	LW03-SD647-0036-IDW-120812	LW03-SD647-3672-IDW-120812	LW03-SD649-0036-IDW-120812	LW03-SD655-0036-IDW-120912
•	12/9/2012 10:00				
Sample Date	12/9/2012 10:00	12/8/2012 8:20	12/8/2012 8:25	12/8/2012 10:40	12/9/2012 8:00
Chemical Name					
TCLP Herbicides (MG/L)					
2,4,5-TP (Silvex)	0.0002 U				
2,4-D	0.0005 U				
,					
Dioxin/Furans (PG/G)					
1,2,3,4,6,7,8-Heptachlorodibenzofuran	50.6	14.6	32.4	59.5	23
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	231	42	113	334	153
1,2,3,4,7,8,9-Heptachlorodibenzofuran	7.76 U	5.43 U	4.7 U	8.51 U	7.73 U
1,2,3,4,7,8-Hexachlorodibenzofuran	7.76 U	5.43 U	2.71 J	8.51 U	7.73 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	4.65 J	5.43 U	2.76 J	4.99 J	7.73 U
1,2,3,6,7,8-Hexachlorodibenzofuran	7.76 U	5.43 U	4.7 U	8.51 U	7.73 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	8.27 J	5.43 U	5.6 J	11.2 J	4.76 J
1,2,3,7,8,9-Hexachlorodibenzofuran	7.76 U	5.43 U	4.7 QU	8.51 QU	7.73 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	10.9 J	5.43 U	6.76 J	13.2	6.55 J
1,2,3,7,8-Pentachlorodibenzofuran	7.76 U	5.43 U	4.7 U	8.51 U	7.73 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	7.76 U	5.43 U	4.7 U	8.51 U	7.73 U
2,3,4,6,7,8-Hexachlorodibenzofuran	7.76 U	5.43 U	4.92 J	8.51 U	7.73 U
2,3,4,7,8-Pentachlorodibenzofuran	5.3 J	5.43 U	9.72	8.51 U	7.73 U
2,3,7,8-TCDD (dioxin)	1.55 U	1.08 U	0.937 U	1.7 U	1.54 U
2,3,7,8-Tetrachlorodibenzofuran	3.04	1.08 U	0.926 J	2.97	1.4 J
Octachlorodibenzofuran	69.3	17.5	24.6	101	45.2
Octachlorodibenzo-p-dioxin	3,910	620	3,540	4,880	3,010
TCLP Metals (MG/L)					
Arsenic	2.5 UD				
Barium	2 UD	1.21 JD	2 UD	2 UD	2 UD
Cadmium	1 UD				
Chromium	0.75 UD				
Lead	0.0414 JD	0.614 D	0.15 UD	0.114 JD	0.15 UD
Mercury	0.0007 U				
Selenium	0.65 UD				
Silver	0.029 UD				
Wet Chemistry					
Corrosivity (pH Units)	8.4	8.4	8	8.3	8.4
Total organic halogens (TOX) (MG/KG)	17.6 U	12.8 U	10.7 U	12.9 J	16 U
Total Dataslaum Hydrogrib are (MC///C)					
Total Petroleum Hydrocarbons (MG/KG)	4 400 D	4 400 D	000 5	470	202
TPH-diesel range	1,400 D	1,400 D	990 E	470	200
TPH-gas range	23	29	16	29	16
Reactivity (MG/KG)					
Reactive cyanide	500 U				
Reactive sulfide	250 U	750	260	250 U	250 U
Ignitability (DEG/F)					
Ignitability	200 U				

Sample ID	LW03-SD645-0036-IDW-120912	LW03-SD647-0036-IDW-120812	LW03-SD647-3672-IDW-120812	LW03-SD649-0036-IDW-120812	LW03-SD655-0036-IDW-120912
Sample Date	12/9/2012 10:00	12/8/2012 8:20	12/8/2012 8:25	12/8/2012 10:40	12/9/2012 8:00
Chemical Name					

Notes:

- D Sample analyzed at a dilution.
- E Concentration exceeds calibration range of GC/MS instrument
- J Below reporting limit.
- K Estimated maximum possible concentration (EMPC)
- Q Quantitative interference (dioxins only); One or more quality control criteria outside acceptance limits (all other data).
- U Not detected.
- DEG/F Degrees Fahrenheit
- MG/KG Milligrams per kilogram
- MG/L Milligrams per liter
- PG/G Picograms per gram
- PH pH units

Sample ID	LW07-SD501-0036-IDW-120612	LW07-SD502-0036-IDW-120612	LW07-SD503-0036-IDW-120712	LW07-SD504-0036-IDW-120712
Sample Date	12/6/2012 14:50	12/6/2012 13:25	12/7/2012 14:00	12/7/2012 12:30
Chemical Name				
Volatile Organic Compounds (MG/KG)				
Benzene	0.0017 U	0.0031 J	0.0019 U	0.0032 U
Ethylbenzene	0.0017 U	0.0019 U	0.0019 U	0.0032 U
m- and p-Xylene	0.0035 U	0.0038 U	0.0038 U	0.0063 U
o-Xylene	0.0017 U	0.0019 U	0.0019 U	0.0032 U
Toluene	0.0017 U	9.00E-04 J	0.0019 U	0.0032 U
Xylene, total	0.0052 U	0.0057 U	0.0056 U	0.0095 U
TCLP Volatile Organic Compounds (MG/L)				
1,1-Dichloroethene	0.1 UD	0.1 UD	0.1 UD	0.1 UD
1,2-Dichloroethane	0.1 UD	0.1 UD	0.1 UD	0.1 UD
2-Butanone	1 UD	1 UD	1 UD	1 UD
Benzene	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Carbon tetrachloride	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Chlorobenzene	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Chloroform	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Tetrachloroethene	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Trichloroethene	0.1 UD	0.1 UD	0.1 UD	0.1 UD
Vinyl chloride	0.1 UD	0.1 UD	0.1 UD	0.1 UD
TCLP Semivolatile Organic Compounds (MG/L)				
1,4-Dichlorobenzene	0.003 U	0.003 U	0.003 U	0.003 U
2,4,5-Trichlorophenol	0.006 U	0.006 U	0.006 U	0.006 U
2,4,6-Trichlorophenol	0.006 U	0.006 U	0.006 U	0.006 U
2,4-Dinitrotoluene	0.006 U	0.006 U	0.006 U	0.006 U
2-Methylphenol	0.003 U	0.003 U	0.003 U	0.003 U
3- and 4-Methylphenol	0.006 UQ	0.006 UQ	0.006 UQ	0.006 UQ
Hexachlorobenzene	0.003 U	0.003 U	0.003 U	0.003 U
Hexachlorobutadiene	0.006 U	0.006 U	0.006 U	0.006 U
Hexachloroethane	0.003 U	0.003 U	0.003 U	0.003 U
Nitrobenzene	0.006 U	0.006 U	0.006 U	0.006 U
Pentachlorophenol	0.009 U	0.009 U	0.009 U	0.009 U
Pyridine	0.003 U	0.003 U	0.003 U	0.003 U
Pesticide/Polychlorinated Biphenyls (MG/KG)	2.22	2.222.11	2.225.11	0.000
Aroclor-1016	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor-1016/1242	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor-1221	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor-1232	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor-1242	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor 1254	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor 1260	0.035 U	0.033 U	0.032 U	0.039 U
Aroclor-1260	0.035 U	0.033 U	0.032 U	0.039 U

Sample ID	LW07-SD501-0036-IDW-120612	LW07-SD502-0036-IDW-120612	LW07-SD503-0036-IDW-120712	LW07-SD504-0036-IDW-120712
Sample Date	12/6/2012 14:50	12/6/2012 13:25	12/7/2012 14:00	12/7/2012 12:30
Chemical Name				
TCLP Pesticides/Polychlorinated Biphenyls (MG/L)				
Endrin	0.00005 U	0.00005 U	0.00005 U	0.00005 U
gamma-BHC (Lindane)	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Heptachlor epoxide	0.00005 U	0.00005 U	0.00005 U	0.00005 U
Methoxychlor	0.00005 U	0.00005 U	0.00005 U	0.00005 U
technical-Chlordane	0.001 U	0.001 U	0.001 U	0.001 U
Toxaphene	0.00064 U	0.00064 U	0.00064 U	0.00064 U
TCLP Herbicides (MG/L)				
2,4,5-TP (Silvex)	0.0002 U	0.0002 U	0.0002 U	0.0002 U
2,4-D	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Dioxin/Furans (PG/G)				
1,2,3,4,6,7,8-Heptachlorodibenzofuran	15	5.94 J	7.76	5.61 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	57.9	77.4	89.6	113
1,2,3,4,7,8,9-Heptachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,4,7,8-Hexachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,6,7,8-Hexachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,7,8,9-Hexachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.08 J	4.82 U	4.98 U	2.8 JK
1,2,3,7,8-Pentachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	5.91 U	4.82 U	4.98 U	5.34 U
2,3,4,6,7,8-Hexachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
2,3,4,7,8-Pentachlorodibenzofuran	5.91 U	4.82 U	4.98 U	5.34 U
2,3,7,8-TCDD (dioxin)	1.18 U	0.961 U	0.993 U	1.07 U
2,3,7,8-Tetrachlorodibenzofuran	1.42 J	2.28	1.04 J	1.11 J
Octachlorodibenzofuran Octachlorodibenzo-p-dioxin	24.5 911	18.1 721	18.6 947	19.6 1,290
TCLP Metals (MG/L)	2.5 UD	25.110	2 5 110	25.110
Arsenic Barium	2.5 UD 2 UD	2.5 UD 2 UD	2.5 UD 2 UD	2.5 UD 2 UD
Cadmium	1 UD	1 UD	1 UD	1 UD
Chromium	0.75 UD	0.75 UD	0.75 UD	0.75 UD
Lead	0.75 JD	0.75 UD 0.0875 JD	0.73 UD 0.0438 JD	0.75 UD
Mercury	0.108 3D 0.0007 U	0.0073 3D	0.0438 3D 0.0007 U	0.0007 U
Selenium	0.65 UD	0.65 UD	0.65 UD	0.65 UD
Silver	0.029 UD	0.029 UD	0.029 UD	0.029 UD
	0.023 00	0.020 00	0.020 00	0.020 08

Sample ID	LW07-SD501-0036-IDW-120612	LW07-SD502-0036-IDW-120612	LW07-SD503-0036-IDW-120712	LW07-SD504-0036-IDW-120712
Sample Date	12/6/2012 14:50	12/6/2012 13:25	12/7/2012 14:00	12/7/2012 12:30
Chemical Name				
Wet Chemistry				
Corrosivity (pH Units)	8.4	8.5	8.2	8.2
Total organic halogens (TOX) (MG/KG)	13.2 U	9.6 U	11.5 U	12.7 U
Total Petroleum Hydrocarbons (MG/KG)				
TPH-diesel range	400	230	44	36
TPH-gas range	10	12	8 U	10 J
Reactivity (MG/KG)				
Reactive cyanide	500 U	500 U	500 U	500 U
Reactive sulfide	310	400	250 U	250 U
Ignitability (DEG/F)				
Ignitability	200 U	200 U	200 U	200 U

Notes:

D - Sample analyzed at a dilution.

J - Below reporting limit.

Q - Quantitative interference (dioxins only); One or more quality control criteria outside acceptance limits (all other data).

U - Not detected.

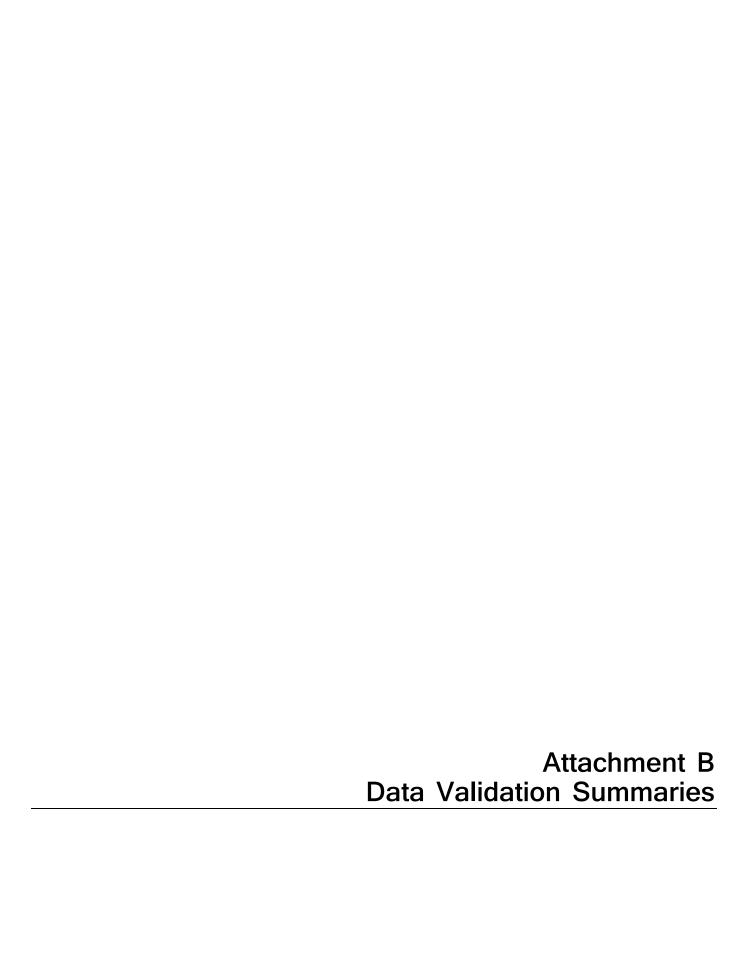
DEG/F - Degrees Fahrenheit

MG/KG - Milligrams per kilogram

MG/L - Milligrams per liter

PG/G - Picograms per gram

PH - pH units





Lab SDG/Report: B205991

Parameter: Tin

Initial and Continuing Calibration

Initial Calibration Ve	rification	Date / Time:	12/17/12 1128	
Expected Conc.	0.50	Actual Conc.	0.50	BA13111-ICV1
Calculated % Rec=	100	Lab % Rec=	100	
Continuing Calib	ration	Date / Time:	12/17/12 1154	BA13111-CCV1
Expected Conc.	0.50	Actual Conc.	0.50	

Comment:

Sample Concentrations

Lab SDG/Report:	B205991
-----------------	---------

Formula for Calculation of Concentrations

Soil

Sample Conc = (Conc_{QR}) (V_f) (DF) (W) (S)

ConcQR = where $V_f =$

Final volume in liters DF = Dilution factor

W =Weight in grams of wet sample

Concentration on Quantitation Report (ug/L)

S= %solids / 100

Water

Sample Conc = (Conc_{QR}) (V_f) (DF)

Concentration on Quantitation Report (ug/L) ConcQR = where

 $V_f =$ Final volume in liters DF = Dilution factor

 $V_i =$ Initial volume in liters

SDG (if different) Sample ID Date / Time Analyzed Matrix	B205991-02RE1 12/11/12 1450 Soil	B205991-07 12/7/12 1100 Soil	B205991-13 12/11/12 1052 Soil	B205991-18 12/11/12 1054 Soil	B206039 B206039-12 12/11/12 1103 Soil
Parameter	Zinc	Copper	Lead	Nickel	Zinc
Conc _{QR}	252.7	585.9	281.1	18	631.8
V_{f}	0.050	0.050	0.050	0.050	0.050
DF	20	5	5	5	5
W or V _i	0.59	0.79	0.71	0.59	0.77
S	0.762	0.6505	0.7743	0.5875	0.496
Calculated Concentration (mg/Kg or ug/L)	562	285	128	13.0	414
Reported Concentration (mg/Kg or ug/L)	562	285	128	13.2	414
SDG (if different) Sample ID	B206075 B206075-11	B205967 B205967-12	B206075 B206075-06		

	D200013	D203301	D200073
Sample ID	B206075-11	B205967-12	B206075-06
Date / Time Analyzed	12/12/12 1134	12/6/12 1115	12/12/12 1133
Matrix	Soil	Soil	Soil
Parameter	Copper	Lead	Tin
Conc _{QR}	99.1	256.1	9.1
V_{f}	0.050	0.050	0.050
DF	5	5	5
W or V _i	0.780	0.930	0.58
S	0.6864	0.5645	0.463
Calculated Concentration			
(mg/Kg or ug/L)	46.3	122	8.47
Reported Concentration			
(mg/Kg or ug/L)	46.3	122	8.43

Formulas

Formula for Calculation of Recovery

% Recovery = Concentration or amount found x 100

Concentration or amount spiked

Formula for Calculation of Matrix Spike Recovery

Matrix Spike Recovery = $\underline{SSR} - \underline{SR}$ x 100

SA

where: SSR = Spike sample result

SR = Sample result SA = Spike added

Formula for Calculation of Relative Percent Difference

Relative Percent Difference (RPD) = (| Value 1 - Value 2 |) x 100

(1/2) (Value 1 + Value 2)

Formula for Calculation of Percent Difference

Percent Difference (%D) = (| Value 1 - Value 2 |) x 100

(Value 1 + Value 2)

Interference	Check Sample
	Officer Carriple

Lab SDG/Report: B205 Date Analyzed: 12/7

B205991 12/7/12 1040

Parameter:

Zinc

Sample ID: BA13032-IFB1

<u>ug/L</u> 0.94 True Value 1.00 Cal. Rec. 94 Lab Rec. 94 OK? Yes

Laboratory Control Sample (LCS) Recoveries and/or Precision

Lab SDG/Report: Sample ID: B205991 2L06007-BS1

Parameter:

Lead

Conc Found 38 Conc Spiked 37.9 <u>Cal. Rec.</u> 101

Cal. RPD

<u>Lab Rec.</u> 101 OK? Yes

Lab RPD OK?

Relative Percent Difference =

Sample result (SR)

Relative Percent Difference

LCS Conc. Found

LCSD Conc. Found

MS/MSD Accuracy and Precision Recoveries

Conc Found

=

Lab SDG/Report: B205991 Sample ID: 2L12013-MS1

Parameter: Nickel

Spike sample result (SSR)
Duplicate Spike sample result (SSR)

110 102 19 Conc Spiked (SA) 82.8 85.1

110 98

Cal. Rec.

Cal. RPD

8

110 98

Lab Rec.

Lab RPD

7

Yes

<u>OK?</u>

Yes

OK?

Yes

Differences due to rounding

NR = Not reported

MEMORANDUM CH2MHILL

Data Validation Summary

Little Creek CTO-07, SWMU 3 and 7B

TO: Megan Morrison/WDC

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: February 14, 2013

Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories for SDG B205573.

Samples were analyzed using the following analytical methods:

• SW6010C Metals

The samples included in this SDG are listed in the table below.

Sample Name	Matrix
LW03-SD608-1218-12D	Soil
LW03-SD614-1218-12D	Soil
LW03-SD614P-1218-12D	Soil
LW03-SD614-2430-12D	Soil
LW03-SD621-1218-12D	Soil
LW03-SD620-1218-12D	Soil
LW03-SD620-2430-12D	Soil
LW03-SD627-1218-12D	Soil

Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan SWMU 3 - Pier 10 Sandblast Yard and SWMU 7B -

Small Boats Sandblast Yard (Desert Cove) Joint Expeditionary Base Little Creek-Fort Story Joint Expeditionary Base Little Creek Virginia Beach, Virginia Contract Task Order WE07 (November 2012) and Region III Modifications for Inorganic Data Review (EPA 1993) as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Field Duplicates
- Identification/Quantitation
- Reporting Limits

Overall Evaluation of Data/Potential Usability Issues

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

Data Completeness

The SDG was received complete and intact.

Technical Holding Times

According to the chain of custody records, sampling was performed on 12/4/12. Samples were received at the laboratory on 12/5/12. All sample preparation and analyses were performed within holding time requirements.

Blanks

Tin was detected in the method blank at 0.744mg/kg. Affected data are summarized in Attachment 1.

Matrix Spike/Spike Duplicate

Zinc exhibited low recoveries in the MS/MSD for spiked sample LW03-SD608-1218-12D. Affected data are summarized in **Attachment 1**.

Field Duplicate Precision

Nickel did not meet field duplicate precision criteria for native sample LW03-SD614-1218-12D and field duplicate LW03-SD614P-1218-12D. Affected data are summarized in **Attachment 1**.

Conclusion

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

Tiffany McGlynn

Tiffany Willya

Qualification Flags

Exclude More appropriate data exist for this analyte.

R Data were rejected for use.

Analyte not detected, quantitation limit is potentially biased

UL low.

UJ Analyte not detected, estimated quantitation limit.

U Analyte not detected.

Not detected substantially above the level reported in

B laboratory or field blanks.

L Analyte present, estimated value potentially biased low.
K Analyte present, estimated value potentially biased high.

Analyte identification presumptive; no second column analysis

N performed or GC/MS tentative identification.

J Analyte present, estimated value.

Analysis indicates the presence of an analyte that was

"tentatively identified" and the associated value represents its

NJ approximate concentration.

Placeholder for calculating quality control issues that do not

None require flagging.

Analyte was detected at a concentration greater than the

guantitation limit.

Qualifier Code Reference

Value	Description
%SOL	High Moisture content
70002	Second Column – Poor Dual Column
2C	Reproducibility
	Second Source – Bad reproducibility
2S	between tandem detectors
	Blank Spike/Blank Spike
BD	Duplicate(LCS/LCSD) Precision
BRL	Below Reporting Limit
BSH	Blank Spike/LCS – High Recovery
BSL	Blank Spike/LCS – Low Recovery
CC	Continuing Calibration
	Continuing Calibration Blank
CCBL	Contamination
	Continuing Calibration Verification – High
CCH	Recovery
0.01	Continuing Calibration Verification – Low
CCL	Recovery
DL	Redundant Result – due to Dilution
EBL	Equipment Blank Contamination
EMPC	Estimated Possible Maximum Concentration
ESH	Extraction Standard - High Recovery
ESL	Extraction Standard - Low Recovery
FBL	Field Blank Contamination
FD	Field Duplicate
HT	·
ПІ	Holding Time
ICB	Initial Calibration – Bad Linearity or Curve Function
	Initial Calibration – High Relative
ICH	Response Factors
	Initial Calibration – Low Relative
ICL	Response Factors
IR15	Ion ratio exceeds +/- 15% difference
ISH	Internal Standard – High Recovery
ISL	Internal Standard – Low Recovery
LD	Lab Duplicate Reproducibility
LR	Concentration Exceeds Linear Range
MBL	Method Blank Contamination
11101	Matrix Spike/Matrix Spike Duplicate
MDP	Precision
MI	Matrix interference obscuring the raw data

Value	Description
MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

Little Creek SWMU 3 & 7B Attachment 1 Change Qual. Table SDG B205573

Sample ID	Compound	Q Flag	Qual Code
LW03-SD608-1218-12D	Tin	В	MBL
LW03-SD608-1218-12D	Zinc	L	MSL
LW03-SD614-1218-12D	Nickel	J	FD
LW03-SD614-1218-12D	Tin	В	MBL
LW03-SD614P-1218-12D	Nickel	J	FD
LW03-SD614-2430-12D	Tin	В	MBL
LW03-SD621-1218-12D	Tin	В	MBL
LW03-SD620-1218-12D	Tin	В	MBL
LW03-SD620-2430-12D	Tin	В	MBL
LW03-SD627-1218-12D	Tin	В	MBL

MEMORANDUM CH2MHILL

Data Validation Summary

Little Creek CTO-07, SWMU 3 and 7B

T0: Megan Morrison/WDC

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: February 14, 2013

Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories for SDG B205991.

Samples were analyzed using the following analytical methods:

SW6010C Metals

The samples included in this SDG are listed in the table below.

Sample Name	Matrix
LW03-SD616-1218-12D	Soil
LW03-SD616-2430-12D	Soil
LW03-SD616-3642-12D	Soil
LW03-SD616-4854-12D	Soil
LW03-SD622-1218-12D	Soil
LW03-SD622P-1218-12D	Soil
LW03-SD622-2430-12D	Soil
LW03-SD622-3642-12D	Soil
LW03-SD623-1218-12D	Soil
LW03-SD623-2430-12D	Soil
LW03-SD623-3642-12D	Soil
LW03-SD628-1218-12D	Soil
LW03-SD628-2430-12D	Soil
LW03-SD629-1218-12D	Soil

Sample Name	Matrix
LW03-SD629-2430-12D	Soil

Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan SWMU 3 - Pier 10 Sandblast Yard and SWMU 7B – Small Boats Sandblast Yard (Desert Cove) Joint Expeditionary Base Little Creek-Fort Story Joint Expeditionary Base Little Creek Virginia Beach, Virginia Contract Task Order WE07 (November 2012) and Region III Modifications for Inorganic Data Review (EPA 1993) as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Field Duplicates
- Identification/Quantitation
- Reporting Limits

Overall Evaluation of Data/Potential Usability Issues

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

Data Completeness

The SDG was received complete and intact.

Technical Holding Times

According to the chain of custody records, sampling was performed on 12/5/12. Samples were received at the laboratory on 12/6/12. All sample preparation and analyses were performed within holding time requirements.

Blanks

Tin was detected in several method blanks as listed below. Affected data are summarized in **Attachment 1**.

Blank ID	Compound	Conc.	Units
2L06007-BL	Tin	0.650	MG_KG_WETWT
2L10012-BL	Tin	0.859	MG_KG_WETWT
2L12013-BL	Tin	0.811	MG_KG_WETWT
2L14008-BL	Tin	0.713	MG_KG_WETWT

Matrix Spike/Spike Duplicate

Nickel, lead, copper, and tin exhibited low recoveries in the MS/MSD for spiked sample LW03-SD616-1218-12D. Affected data are summarized in **Attachment 1**.

Conclusion

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

Tiffany McGlynn

Tiffany Willya

Qualification Flags

Exclude More appropriate data exist for this analyte.

R Data were rejected for use.

Analyte not detected, quantitation limit is potentially biased

UL low.

UJ Analyte not detected, estimated quantitation limit.

U Analyte not detected.

Not detected substantially above the level reported in

B laboratory or field blanks.

L Analyte present, estimated value potentially biased low.
K Analyte present, estimated value potentially biased high.

Analyte identification presumptive; no second column analysis

N performed or GC/MS tentative identification.

J Analyte present, estimated value.

Analysis indicates the presence of an analyte that was

"tentatively identified" and the associated value represents its

NJ approximate concentration.

Placeholder for calculating quality control issues that do not

None require flagging.

Analyte was detected at a concentration greater than the

guantitation limit.

Qualifier Code Reference

Description
High Moisture content
Second Column – Poor Dual Column
Reproducibility
Second Source – Bad reproducibility
between tandem detectors
Blank Spike/Blank Spike
Duplicate(LCS/LCSD) Precision
Below Reporting Limit
Delow Reporting Entitle
Blank Spike/LCS – High Recovery
Diamis Onition // CO. Law Danasana
Blank Spike/LCS – Low Recovery
Continuing Calibration
Continuing Colibration Plant
Continuing Calibration Blank Contamination
Continuing Calibration Verification – High
Recovery
Continuing Calibration Verification – Low
Recovery
Redundant Result – due to Dilution
Equipment Blank Contamination
Estimated Possible Maximum
Concentration Extraction Standard High Beautiful
Extraction Standard - High Recovery Extraction Standard - Low Recovery
Field Blank Contamination
Field Duplicate
Holding Time
Initial Calibration – Bad Linearity or Curve
Function Bad Embanty of Guitte
Initial Calibration – High Relative
Response Factors
Initial Calibration – Low Relative
Response Factors
Ion ratio exceeds +/- 15% difference
Internal Standard – High Recovery
Internal Standard – Low Recovery
Lab Duplicate Reproducibility Consentration Exceeds Linear Range
Concentration Exceeds Linear Range Method Blank Contamination
Matrix Spike/Matrix Spike Duplicate Precision
Matrix interference obscuring the raw data

Value	Description
MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

Little Creek SWMU 3 & 7B Attachment 1 Change Qual. Table SDG B205591

Sample ID	Compound	Q Flag	Qual Code
LW03-SD616-1218-12D	Nickel	L	MSL
LW03-SD616-1218-12D	Tin	L	MSL
LW03-SD616-3642-12D	Copper	L	MSL
LW03-SD616-3642-12D	Lead	L	MSL
LW03-SD622-3642-12D	Tin	В	MBL
LW03-SD623-3642-12D	Tin	В	MBL
LW03-SD629-2430-12D	Tin	В	MBL
LW03-SD628-2430-12D	Tin	В	MBL

MEMORANDUM CH2MHILL

Data Validation Summary

Little Creek CTO-07, SWMU 3 and 7B

TO: Megan Morrison/WDC

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: February 14, 2013

Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories for SDG B206015.

Samples were analyzed using the following analytical methods:

- SW6010C Metals
- SW7471B Mercury

The samples included in this SDG are listed in the table below.

Sample Name	Matrix
LW03-SD637-1218-12D	Soil
LW03-SD633-1218-12D	Soil
LW07-SD501-1218-12D	Soil
LW07-SD501P-1218-12D	Soil
LW07-SD501-2430-12D	Soil
LW07-SD502-1218-12D	Soil
LW07-SD502-2430-12D	Soil

Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan SWMU 3 - Pier 10 Sandblast Yard and SWMU 7B -

Small Boats Sandblast Yard (Desert Cove) Joint Expeditionary Base Little Creek-Fort Story Joint Expeditionary Base Little Creek Virginia Beach, Virginia Contract Task Order WE07 (November 2012) and Region III Modifications for Inorganic Data Review (EPA 1993) as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Field Duplicates
- Identification/Quantitation
- Reporting Limits

Overall Evaluation of Data/Potential Usability Issues

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

Data Completeness

The SDG was received complete and intact.

Technical Holding Times

According to the chain of custody records, sampling was performed on 12/6/12. Samples were received at the laboratory on 12/7/12. All sample preparation and analyses were performed within holding time requirements.

Blanks

Tin and copper were detected in the method blanks as listed below. Affected data are summarized in **Attachment 1**.

Blank ID	Compound	Conc.	Units
2L07007-BL	Tin	0.813	MG_KG_WETWT
2L11005-BL	Copper	0.148	MG_KG_WETWT

Matrix Spike/Spike Duplicate

Zinc and mercury exhibited high recoveries in the MS/MSD for spiked sample LW07-SD501-1218-12D. Affected data are summarized in **Attachment 1**.

Field Duplicate Precision

Copper, lead and mercury did not meet field duplicate precision criteria for native sample LW07-SD501-1218-12D and field duplicate LW07-SD501P-1218-12D. Affected data are summarized in **Attachment 1**.

Conclusion

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

Tiffany McGlynn

Jiffany Willyn

Qualification Flags

Exclude More appropriate data exist for this analyte.

R Data were rejected for use.

Analyte not detected, quantitation limit is potentially biased

UL low.

UJ Analyte not detected, estimated quantitation limit.

U Analyte not detected.

Not detected substantially above the level reported in

B laboratory or field blanks.

L Analyte present, estimated value potentially biased low.
K Analyte present, estimated value potentially biased high.

Analyte identification presumptive; no second column analysis

N performed or GC/MS tentative identification.

J Analyte present, estimated value.

Analysis indicates the presence of an analyte that was

"tentatively identified" and the associated value represents its

NJ approximate concentration.

Placeholder for calculating quality control issues that do not

None require flagging.

Analyte was detected at a concentration greater than the

guantitation limit.

Qualifier Code Reference

Value	Description
%SOL	High Moisture content
/030L	Second Column – Poor Dual Column
2C	Reproducibility
	Second Source – Bad reproducibility
2S	between tandem detectors
	Blank Spike/Blank Spike
BD	Duplicate(LCS/LCSD) Precision
BRL	Below Reporting Limit
BSH	Blank Spike/LCS – High Recovery
BSL	Blank Spike/LCS – Low Recovery
00	Continuing Calibration
CC	Continuing Calibration
	Continuing Calibration Blank
CCBL	Contamination
	Continuing Calibration Verification – High
CCH	Recovery
CCL	Continuing Calibration Verification – Low Recovery
DL	Redundant Result – due to Dilution
EBL	Equipment Blank Contamination
LDL	Estimated Possible Maximum
EMPC	Concentration
ESH	Extraction Standard - High Recovery
ESL	Extraction Standard - Low Recovery
FBL	Field Blank Contamination
FD	Field Duplicate
HT	Holding Time
ICB	Initial Calibration – Bad Linearity or Curve Function
	Initial Calibration – High Relative
ICH	Response Factors
	Initial Calibration – Low Relative
ICL	Response Factors
IR15	Ion ratio exceeds +/- 15% difference
ISH	Internal Standard – High Recovery
ISL	Internal Standard – Low Recovery
LD	Lab Duplicate Reproducibility
LR	Concentration Exceeds Linear Range
MBL	Method Blank Contamination
MDP	Matrix Spike/Matrix Spike Duplicate Precision
MI	Matrix interference obscuring the raw data
. 411	Matrix interference obsouring the raw data

Value	Description
MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

Little Creek SWMU 3 & 7B Attachment 1 Change Qual. Table SDG B206015

Sample ID	Compound	Q Flag	Qual Code
LW03-SD637-1218-12D	Tin	В	MBL
LW03-SD637-1218-12D	Zinc	K	MSH
LW03-SD633-1218-12D	Tin	В	MBL
LW07-SD501-1218-12D	Copper	J	FD
LW07-SD501-1218-12D	Lead	J	FD
LW07-SD501-1218-12D	Mercury	K	MSH
LW07-SD501P-1218-12D	Copper	J	FD
LW07-SD501P-1218-12D	Lead	J	FD
LW07-SD501P-1218-12D	Mercury	J	FD

MEMORANDUM CH2MHILL

Data Validation Summary

Little Creek CTO-07, SWMU 3 and 7B

TO: Megan Morrison/WDC

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: February 14, 2013

Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories for SDG B206039.

Samples were analyzed using the following analytical methods:

- SW6010C Metals
- SW7471B

The samples included in this SDG are listed in the table below.

Sample Name	Matrix
LW07-L5-SD506-0006-12D	Soil
LW07-M3-SD505-0006-12D	Soil
LW07-M3-SD505P-0006-12D	Soil
LW07-SD504-1218-12D	Soil
LW07-SD503-1218-12D	Soil
LW07-EB01-120712	Water
LW07-SD507-0006-12D	Soil

Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan SWMU 3 - Pier 10 Sandblast Yard and SWMU 7B -

Small Boats Sandblast Yard (Desert Cove) Joint Expeditionary Base Little Creek-Fort Story Joint Expeditionary Base Little Creek Virginia Beach, Virginia Contract Task Order WE07 (November 2012) and Region III Modifications for Inorganic Data Review (EPA 1993) as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Field Duplicates
- Identification/Quantitation
- Reporting Limits

Overall Evaluation of Data/Potential Usability Issues

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

Data Completeness

The SDG was received complete and intact.

Technical Holding Times

According to the chain of custody records, sampling was performed on 12/7/12. Samples were received at the laboratory on 12/8/12. All sample preparation and analyses were performed within holding time requirements.

Blanks

Copper was detected in the continuing calibration blank at 3.66ug/L. Affected data are summarized in **Attachment 1**.

Matrix Spike/Spike Duplicate

Lead and zinc exhibited low recoveries in the MS/MSD for spiked sample LW07-L5-SD506-0006-12D. For the same spiked sample, mercury did not meet RPD criteria between the MS and MSD. Affected data are summarized in **Attachment 1**.

Conclusion

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

Tiffany McGlynn

Jiffany Williga

Qualification Flags

Exclude More appropriate data exist for this analyte.

R Data were rejected for use.

Analyte not detected, quantitation limit is potentially biased

UL low.

UJ Analyte not detected, estimated quantitation limit.

U Analyte not detected.

Not detected substantially above the level reported in

B laboratory or field blanks.

L Analyte present, estimated value potentially biased low.
K Analyte present, estimated value potentially biased high.

Analyte identification presumptive; no second column analysis

N performed or GC/MS tentative identification.

J Analyte present, estimated value.

Analysis indicates the presence of an analyte that was

"tentatively identified" and the associated value represents its

NJ approximate concentration.

Placeholder for calculating quality control issues that do not

None require flagging.

Analyte was detected at a concentration greater than the

guantitation limit.

Qualifier Code Reference

Value	Description		
%SOL	High Moisture content		
7000L	Second Column – Poor Dual Column		
2C	Reproducibility		
	Second Source – Bad reproducibility		
2S	between tandem detectors		
	Blank Spike/Blank Spike		
BD	Duplicate(LCS/LCSD) Precision		
BRL	Below Reporting Limit		
DOLL	Disable Oction (COC) - High Days are		
BSH	Blank Spike/LCS – High Recovery		
BSL	Blank Spike/LCS – Low Recovery		
00	Continuing Colibration		
CC	Continuing Calibration		
	Continuing Calibration Blank		
CCBL	Contamination		
0011	Continuing Calibration Verification – High		
ССН	Recovery		
CCL	Continuing Calibration Verification – Low Recovery		
DL	Redundant Result – due to Dilution		
EBL	Equipment Blank Contamination		
	Estimated Possible Maximum		
EMPC	Concentration		
ESH	Extraction Standard - High Recovery		
ESL	Extraction Standard - Low Recovery		
FBL	Field Blank Contamination		
FD	Field Duplicate		
HT	Holding Time		
ICB	Initial Calibration – Bad Linearity or Curve Function		
	Initial Calibration – High Relative		
ICH	Response Factors		
	Initial Calibration – Low Relative		
ICL	Response Factors		
IR15	Ion ratio exceeds +/- 15% difference		
ISH	Internal Standard – High Recovery		
ISL	Internal Standard – Low Recovery		
LD	Lab Duplicate Reproducibility		
LR	Concentration Exceeds Linear Range		
MBL	Method Blank Contamination		
MDP	Matrix Spike/Matrix Spike Duplicate Precision		
MI	Matrix interference obscuring the raw data		
1411	mann interiored observing the raw data		

Value	Description
MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

Little Creek SWMU 3 & 7B Attachment 1 Change Qual. Table SDG B206039

Sample ID	Compound	Q Flag	Qual Code
LW07-L5-SD506-0006-12D	Lead	L	MSL
LW07-L5-SD506-0006-12D	Zinc	L	MSL
LW07-L5-SD506-0006-12D	Mercury	J	MDP
LW07-EB01-120712	Copper	В	CCBL

MEMORANDUM CH2MHILL

Data Validation Summary

Little Creek CTO-07, SWMU 3 and 7B

T0: Megan Morrison/WDC

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: February 14, 2013

Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories for SDG B206074.

Samples were analyzed using the following analytical methods:

• SW6010C Metals

The samples included in this SDG are listed in the table below.

Sample Name	Matrix
LW03-SD647-1218-12D	Soil
LW03-SD647P-1218-12D	Soil
LW03-SD647-2430-12D	Soil
LW03-SD647-3642-12D	Soil
LW03-SD641-1218-12D	Soil
LW03-SD641-2430-12D	Soil
LW03-SD641-3642-12D	Soil
LW03-SD649-1218-12D	Soil
LW03-EB01-120812	Water
LW03-SD635-1218-12D	Soil
LW03-SD635-2430-12D	Soil
LW03-SD609A-1218-12D	Soil
LW03-SD609A-2430-12D	Soil
LW03-SD609A-3642-12D	Soil

Sample Name	Matrix
LW03-SD609A-4854-12D	Soil
LW03-SD609A-6066-12D	Soil
LW03-SD640-1218-12D	Soil
LW03-SD640P-1218-12D	Soil
LW03-SD640-2430-12D	Soil
LW03-SD640-3642-12D	Soil

Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan SWMU 3 - Pier 10 Sandblast Yard and SWMU 7B - Small Boats Sandblast Yard (Desert Cove) Joint Expeditionary Base Little Creek-Fort Story Joint Expeditionary Base Little Creek Virginia Beach, Virginia Contract Task Order WE07 (November 2012) and Region III Modifications for Inorganic Data Review (EPA 1993) as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Field Duplicates
- Identification/Quantitation
- Reporting Limits

Overall Evaluation of Data/Potential Usability Issues

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

Data Completeness

The SDG was received complete and intact.

Technical Holding Times

According to the chain of custody records, sampling was performed on 12/8/12. Samples were received at the laboratory on 12/11/12. All sample preparation and analyses were performed within holding time requirements.

Blanks

Tin and copper were detected in the method blanks listed below. Affected data are summarized in **Attachment 1**.

Blank ID	Compound	Conc.	Units
2L11005-BL	Copper	0.148	MG_KG_WETWT
2L11005-BL	Tin	0.777	MG_KG_WETWT
2L13013-BL	Copper	0.108	MG_KG_WETWT
2L13013-BL	Tin	0.475	MG_KG_WETWT
2L17008-BL	Tin	0.734	MG_KG_WETWT
2L19005-BL	Tin	0.781	MG_KG_WETWT
2L21002-BL	Tin	0.686	MG_KG_WETWT

Matrix Spike/Spike Duplicate

Several compounds exhibited either high or low recoveries for the spiked samples listed below. Affected data are summarized in **Attachment 1**.

Sample ID
LW03-SD647-2430-12D
LW03-SD647-3642-12D
LW03-SD649-1218-12D
LW03-SD609A-4854-12D
LW03-SD609A-6066-12D

Field Duplicate Precision

Lead, nickel, zinc, copper, and tin did not meet field duplicate precision criteria for native sample LW03-SD647-1218-12D and field duplicate LW03-SD647P-1218-12D. Zinc did not meet criteria for native sample SW03-SD640-1218-12D and field duplicate SW03-SD640P-1218-12D. Affected data are summarized in **Attachment 1**.

Conclusion

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

Tiffany McGlynn

Tiffary Willyn

Qualification Flags

Exclude More appropriate data exist for this analyte.

R Data were rejected for use.

Analyte not detected, quantitation limit is potentially biased

UL low.

UJ Analyte not detected, estimated quantitation limit.

U Analyte not detected.

Not detected substantially above the level reported in

B laboratory or field blanks.

L Analyte present, estimated value potentially biased low.
K Analyte present, estimated value potentially biased high.

Analyte identification presumptive; no second column analysis

N performed or GC/MS tentative identification.

J Analyte present, estimated value.

Analysis indicates the presence of an analyte that was

"tentatively identified" and the associated value represents its

NJ approximate concentration.

Placeholder for calculating quality control issues that do not

None require flagging.

Analyte was detected at a concentration greater than the

guantitation limit.

Qualifier Code Reference

SCOL High Moisture content Second Column – Poor Dual Column Reproducibility Second Source – Bad reproducibility between tandem detectors Blank Spike/Blank Spike Duplicate(LCS/LCSD) Precision BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination CONTINUING Calibration Verification – High Recovery CCL Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – Bad Linearity or Curve Function Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – Low Recovery ISL Internal Standard – Low Recovery Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision MI Matrix Spike/Matrix Spike Duplicate Precision	Value	Description
Second Column – Poor Dual Column Reproducibility Second Source – Bad reproducibility between tandem detectors Blank Spike/Blank Spike Duplicate(LCS/LCSD) Precision BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank CCBL Continuing Calibration Verification – High Recovery CCL Recovery CCL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	%SOL	High Moisture content
2C Reproducibility Second Source – Bad reproducibility between tandem detectors Blank Spike/Blank Spike Duplicate(LCS/LCSD) Precision BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery CCH Recovery COL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – Low Relative Response Factors Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Internal Standard – Internal Standard – Internal Standard	70002	
Blank Spike/Blank Spike Duplicate(LCS/LCSD) Precision BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery CCL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – Low Relative Response Factors Initial Calibration – Low Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – Low Recovery ILD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	2C	
Blank Spike/Blank Spike Duplicate(LCS/LCSD) Precision BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery CCL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – Low Relative Response Factors Initial Calibration – Low Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – Low Recovery ILD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		Second Source – Bad reproducibility
BD Duplicate(LCS/LCSD) Precision BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank CCBL Continuing Calibration Verification – High Recovery Continuing Calibration Verification – Low Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function ICB Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	2S	, , , , , , , , , , , , , , , , , , , ,
BRL Below Reporting Limit BSH Blank Spike/LCS – High Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery Continuing Calibration Verification – Low Recovery Continuing Calibration Verification – Low Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors In Internal Standard – High Recovery ISL Internal Standard – High Recovery ISL Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		
BSH Blank Spike/LCS – High Recovery BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function ICH Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – Low Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	BD	Duplicate(LCS/LCSD) Precision
BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors Internal Standard – High Recovery ISL Internal Standard – High Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	BRL	Below Reporting Limit
BSL Blank Spike/LCS – Low Recovery CC Continuing Calibration Continuing Calibration Blank Contamination Continuing Calibration Verification – High Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors Internal Standard – High Recovery ISL Internal Standard – High Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	DOLL	Disable Oction (COC) - High Days are
CCBL Continuing Calibration Blank CCBL Contamination CCH Continuing Calibration Verification – High Recovery CCL Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function ICH Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – Low Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision	BSH	Blank Spike/LCS – High Recovery
COBL Continuing Calibration Blank CCBL Contamination CCH Recovery Continuing Calibration Verification – High Recovery CCL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum EMPC Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision	BSL	Blank Spike/LCS – Low Recovery
COBL Continuing Calibration Blank CCBL Contamination CCH Recovery Continuing Calibration Verification – High Recovery CCL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum EMPC Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision	00	Continuing Colibration
CCBL Contamination Continuing Calibration Verification – High Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function ICB Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		Continuing Campration
CCH Recovery CCL Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function ICB Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		Continuing Calibration Blank
CCH Recovery Continuing Calibration Verification – Low Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	CCBL	
CCL Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision	0011	
CCL Recovery DL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	ССН	•
DL Redundant Result – due to Dilution EBL Equipment Blank Contamination Estimated Possible Maximum Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	CCL	_
EBL Equipment Blank Contamination Estimated Possible Maximum Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		•
EMPC Concentration ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration - Bad Linearity or Curve Function Initial Calibration - High Relative ICH Response Factors Initial Calibration - Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard - High Recovery ISL Internal Standard - Low Recovery ISL Internal Standard - Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision	EBL	Equipment Blank Contamination
ESH Extraction Standard - High Recovery ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration - Bad Linearity or Curve Function Initial Calibration - High Relative ICH Response Factors Initial Calibration - Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard - High Recovery ISL Internal Standard - Low Recovery ID Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		Estimated Possible Maximum
ESL Extraction Standard - Low Recovery FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		
FBL Field Blank Contamination FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		-
FD Field Duplicate HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		Š
HT Holding Time Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision		Field Blank Contamination
Initial Calibration – Bad Linearity or Curve Function Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	FD	Field Duplicate
ICB Function Initial Calibration – High Relative ICH Response Factors Initial Calibration – Low Relative ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate MDP Precision	HT	Holding Time
Initial Calibration – High Relative Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	ICB	l =
ICH Response Factors Initial Calibration – Low Relative Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		Initial Calibration – High Relative
ICL Response Factors IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	ICH	
IR15 Ion ratio exceeds +/- 15% difference ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision	101	
ISH Internal Standard – High Recovery ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		
ISL Internal Standard – Low Recovery LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		
LD Lab Duplicate Reproducibility LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		
LR Concentration Exceeds Linear Range MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		-
MBL Method Blank Contamination Matrix Spike/Matrix Spike Duplicate Precision		
Matrix Spike/Matrix Spike Duplicate MDP Precision		•
MDP Precision	MBL	Method Blank Contamination
	MDP	
	MI	Matrix interference obscuring the raw data

Value	Description
MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

Little Creek SWMU 3 & 7B Attachment 1 Change Qual. Table SDG B206074

SDG B206074	1		
Sample ID	Compound	Q Flag	Qual Code
LW03-SD647-1218-12D	Lead	J	FD
LW03-SD647-1218-12D	Nickel	J	FD
LW03-SD647-1218-12D	Tin	В	MBL
LW03-SD647-1218-12D	Zinc	J	FD
LW03-SD647-1218-12D	Copper	J	FD
LW03-SD647P-1218-12D	Copper	J	FD
LW03-SD647P-1218-12D	Lead	J	FD
LW03-SD647P-1218-12D	Nickel	J	FD
LW03-SD647P-1218-12D	Tin	J	FD
LW03-SD647P-1218-12D	Zinc	J	FD
LW03-SD647-2430-12D	Copper	L	MSL
LW03-SD647-2430-12D	Tin	В	MBL
LW03-SD647-3642-12D	Copper	L	MSL
LW03-SD647-3642-12D	Tin	В	MBL
LW03-SD647-3642-12D	Zinc	L	MSL
LW03-SD641-3642-12D	Tin	В	MBL
LW03-SD649-1218-12D	Copper	K	MSH
LW03-SD649-1218-12D	Lead	K	MSH
LW03-SD649-1218-12D	Tin	В	MBL
LW03-SD649-1218-12D	Zinc	K	MSH
LW03-SD635-2430-12D	Tin	В	MBL
LW03-SD609A-4854-12D	Nickel	L	MSL
LW03-SD609A-4854-12D	Tin	L	MSL
LW03-SD609A-6066-12D	Lead	L	MSL
LW03-SD609A-6066-12D	Nickel	K	MSH
LW03-SD609A-6066-12D	Tin	L	MSL
LW03-SD640-1218-12D	Tin	В	MBL
LW03-SD640-1218-12D	Zinc	J	FD
LW03-SD640P-1218-12D	Tin	В	MBL
LW03-SD640P-1218-12D	Zinc	J	FD

MEMORANDUM CH2MHILL

Data Validation Summary

Little Creek CTO-07, SWMU 3 and 7B

TO: Megan Morrison/WDC

Anita Dodson/VBO

FROM: Tiffany McGlynn/GNV

CC: Herb Kelly/GNV

DATE: February 14, 2013

Introduction

The following data validation report discusses the data validation process and findings for ENCO Laboratories for SDG B206075.

Samples were analyzed using the following analytical methods:

• SW6010C Metals

The samples included in this SDG are listed in the table below.

Sample Name	Matrix
LW03-SD655-1218-12D	Soil
LW03-SD634-1218-12D	Soil
LW03-SD645-1218-12D	Soil

Data Evaluation

Data was evaluated in accordance with the analytical methods and with the criteria found in the following guidance documents: Remediation Area Delineation Sediment Sampling Work Plan and Sampling and Analysis Plan SWMU 3 - Pier 10 Sandblast Yard and SWMU 7B – Small Boats Sandblast Yard (Desert Cove) Joint Expeditionary Base Little Creek-Fort Story Joint Expeditionary Base Little Creek Virginia Beach, Virginia Contract Task Order WE07 (November 2012) and Region III Modifications for Inorganic Data Review (EPA 1993) as applicable. The samples were evaluated based on the following criteria:

- Data Completeness
- Technical Holding Times
- Instrument Tuning
- Initial/Continuing Calibrations
- Blanks
- Internal Standards
- Laboratory Control Samples
- Matrix Spike Recoveries
- Field Duplicates
- Identification/Quantitation
- Reporting Limits

Overall Evaluation of Data/Potential Usability Issues

Specific details regarding qualification of the data are addressed in the sections below. If an issue is not addressed there were no actions required based on unmet quality criteria. When more than one qualifier is associated with a compound/analyte, the validator has chosen the qualifier that best indicates possible bias in the results and qualified these data accordingly.

Data Completeness

The SDG was received complete and intact.

Technical Holding Times

According to the chain of custody records, sampling was performed on 12/9/12. Samples were received at the laboratory on 12/11/12. All sample preparation and analyses were performed within holding time requirements.

Blanks

Tin, lead, and copper were detected in the method blank listed below. Affected data are summarized in **Attachment 1**.

Blank ID	Compound	Conc.	Units
2L11018-BL	Copper	0.339	MG_KG_WETWT
2L11018-BL	Lead	0.229	MG_KG_WETWT
2L11018-BL	Tin	0.747	MG_KG_WETWT

Matrix Spike/Spike Duplicate

Copper, lead, and zinc exhibited low recoveries in the MS/MSD for spiked sample LW03-SD634-1218-12D. Affected data are summarized in **Attachment 1**.

Conclusion

These data can be used in the project decision-making process as qualified by the data quality evaluation process.

Please do not hesitate to contact us about this validation report.

Sincerely,

Tiffany McGlynn

Jiffany Willya

Qualification Flags

Exclude More appropriate data exist for this analyte.

R Data were rejected for use.

Analyte not detected, quantitation limit is potentially biased

UL low.

UJ Analyte not detected, estimated quantitation limit.

U Analyte not detected.

Not detected substantially above the level reported in

B laboratory or field blanks.

L Analyte present, estimated value potentially biased low.
K Analyte present, estimated value potentially biased high.

Analyte identification presumptive; no second column analysis

N performed or GC/MS tentative identification.

J Analyte present, estimated value.

Analysis indicates the presence of an analyte that was

"tentatively identified" and the associated value represents its

NJ approximate concentration.

Placeholder for calculating quality control issues that do not

None require flagging.

Analyte was detected at a concentration greater than the

guantitation limit.

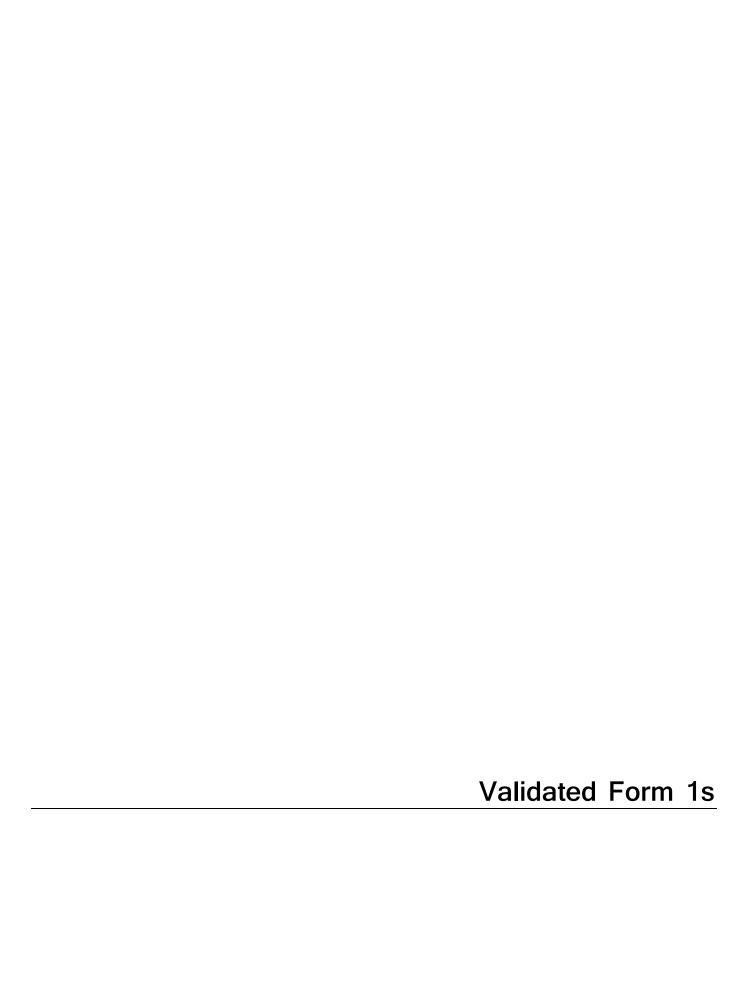
Qualifier Code Reference

-	
Value	Description
%SOL	High Moisture content
70002	Second Column – Poor Dual Column
2C	Reproducibility
	Second Source – Bad reproducibility
2S	between tandem detectors
	Blank Spike/Blank Spike
BD	Duplicate(LCS/LCSD) Precision
BRL	Below Reporting Limit
BSH	Blank Spike/LCS – High Recovery
BSL	Blank Spike/LCS – Low Recovery
CC	Continuing Calibration
	Continuing Calibration Blank
CCBL	Contamination
	Continuing Calibration Verification – High
CCH	Recovery
001	Continuing Calibration Verification – Low
CCL DL	Recovery
EBL	Redundant Result – due to Dilution Equipment Blank Contamination
LDL	Estimated Possible Maximum
EMPC	Concentration
ESH	Extraction Standard - High Recovery
ESL	Extraction Standard - Low Recovery
FBL	Field Blank Contamination
FD	Field Duplicate
HT	Holding Time
	Initial Calibration – Bad Linearity or Curve
ICB	Function
ICH	Initial Calibration – High Relative Response Factors
1011	Initial Calibration – Low Relative
ICL	Response Factors
IR15	Ion ratio exceeds +/- 15% difference
ISH	Internal Standard – High Recovery
ISL	Internal Standard – Low Recovery
LD	Lab Duplicate Reproducibility
LR	Concentration Exceeds Linear Range
MBL	Method Blank Contamination
MDD	Matrix Spike/Matrix Spike Duplicate
MDP	Precision Matrix interference chaquing the row data
MI	Matrix interference obscuring the raw data

Value	Description
MSH	Matrix Spike and/or Matrix Spike Duplicate – High Recovery
MSL	Matrix Spike and/or Matrix Spike Duplicate – Low Recovery
OT	Other
PD	Pesticide Degradation
RE	Redundant Result - due to Reanalysis or Re-extraction
SD	Serial Dilution Reproducibility
SSH	Spiked Surrogate – High Recovery
SSL	Spiked Surrogate – Low Recovery
TBL	Trip Blank Contamination
TN	Tune

Little Creek SWMU 3 & 7B Attachment 1 Change Qual. Table SDG B206075

Sample ID	Compound	Q Flag	Qual Code
LW03-SD655-1218-12D	Tin	В	MBL
LW03-SD634-1218-12D	Copper	L	MSL
LW03-SD634-1218-12D	Lead	L	MSL
LW03-SD634-1218-12D	Tin	В	MBL
LW03-SD634-1218-12D	Zinc	L	MSL
LW03-SD645-1218-12D	Tin	В	MBL



LW03-SD608-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-01

File ID: 120612aRP1-016

Sampled: 12/04/12 09:40

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 11:10

Solids: 72.83

Preparation: EPA 3050B

Initial/Final: 0.5 g / 50 mL

Batch: 2L05009

Sequence: BA13018 Calibration: 1212006

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	17.9	5	B	0.893	3.43	6.87	EPA 6010C
7439-92-1	Lead	15.0	5	Jp	1.10	13.7	27.5	EPA 6010C
7440-02-0	Nickel	5.13	5	1D	0.371	3.43	6.87	EPA 6010C
7440-31-5	Tin	2.68	5	HD8	1.51	27.5	54.9	EPA 6010C
7440-66-6	Zinc	50.2	5	DOL	2.06	6.87	13.7	EPA 6010C

LW03-SD614-1218-12D

Instrument: JMICP2

16.7

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Calibration: 1212006

D

2.50

Client: CH2M Hill, Inc. (CH029)

Sequence:

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-06

File ID: 120612aRP1-017

Sampled: 12/04/12 10:45

Zinc

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 11:12

Solids: 57.66 Batch: 2L05009

7440-66-6

Preparation: EPA 3050B BA13018

Initial/Final: 0.52 g / 50 mL

8.34

Concentration Dilution CAS NO. Analyte Factor DL LOD LOQ (mg/kg dry) Method Q 7440-50-8 Copper 168 5 D 1.08 4.17 8.34 EPA 6010C 100 5 D 16.7 7439-92-1 Lead 1.33 **EPA 6010C** 33.4 8.34 7440-02-0 Nickel 18.6 5 Dy 0.450 4.17 EPA 6010C 100 7440-31-5 Tin 16.1 5 1.83 33.4 66.7 EPA 6010C

5

395

EPA 6010C

LW03-SD614P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-07

File ID: 120612aRP1-018

Sampled: 12/04/12 10:50

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 11:14

Solids: 56.68

Preparation: EPA 3050B

Initial/Final: 0.75 g / 50 mL

Batch: 2L05009

Sequence: BA13018

Calibration: 1212006

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	219	5	D	0.764	2.94	5.88	EPA 6010C
7439-92-1	Lead	137	5	ď	0.941	11.8	23.5	EPA 6010C
7440-02-0	Nickel	33.7	5	NY	0.318	2.94	5.88	EPA 6010C
7440-31-5	Tin	26.6	5	1bc	1.29	23.5	47.0	EPA 6010C
7440-66-6	Zinc	554	5	D	1,76	5,88	11.8	EPA 6010C



LW03-SD614-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-08

File ID: 121012a-016

Sampled: 12/04/12 10:55

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 11:09

Solids: 68.10

Preparation: EPA 3050B

Initial/Final: 0.61 g / 50 mL

Batch: 2L07007

Sequence: BA13047

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	32.8	5	B	0.782	3.01	6.02	EPA 6010C
7439-92-1	Lead	22.8	5	JD	0.963	12.0	24.1	EPA 6010C
7440-02-0	Nickel	8.56	5	p	0,325	3.01	6.02	EPA 6010C
7440-31-5	Tin	2.28	5	NO.	1.32	24.1	48.1	EPA 60100
7440-66-6	Zinc	79.9	5	Ø	1.81	6.02	12.0	EPA 60100



LW03-SD621-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-12

File ID: 120612aRP1-019

Sampled: 12/04/12 11:45

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 11:15

Solids: 56.45

Preparation: EPA 3050B

Initial/Final: 0.93 g / 50 mL

Batch: 2L05009

Sequence: BA13018

Calibration: 1212006

Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	133	5	D	0.576	2,21	4.43	EPA 6010C
7439-92-1	Lead	122	5	D	0.709	8.86	17.7	EPA 6010C
7440-02-0	Nickel	15.5	.5	D	0.239	2.21	4.43	EPA 6010C
7440-31-5	Tin	7.21	5	MB	0.974	17.7	35.4	EPA 6010C
7440-66-6	Zinc	297	.5	В	1.33	4.43	8.86	EPA 6010C

HBL



LW03-SD620-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-17

File ID: 120612aRP1-020

Sampled: 12/04/12 13:30

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 11:17

Solids: 43.49

Preparation: EPA 3050B

Initial/Final: 0.83 g / 50 mL

Batch: 2L05009

Sequence: BA13018

Calibration: 1212006

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	120	5	ъ́	0.900	3.46	6.93	EPA 6010C
7439-92-1	Lead	1530	5	DE	1.11	13.9	27.7	EPA 6010C
7440-02-0	Nickel	19.0	5	D	0.374	3.46	6.93	EPA 6010C
7440-31-5	Tin	5,18	.5	Mg B	1.52	27.7	55.4	EPA 6010C
7440-66-6	Zinc	402	5	D	2.08	6.93	13.9	EPA 6010C



LW03-SD620-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-17RE1

File ID: 120612aRP1-078

Sampled: 12/04/12 13:30

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 13:36

Solids: 43.49

Preparation: EPA 3050B

Initial/Final: 0.83 g / 50 mL

Batch: 2L05009

Sequence: BA13018

Calibration: 1212006

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-92-1	Lead	1490	20	D	4.43	55.4	111	EPA 60100



LW03-SD620-2430-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-20

File ID: 121012a-017

Sampled: 12/04/12 13:35

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 11:11

Solids: 49.49

Preparation: EPA 3050B

Initial/Final: 0.71 g / 50 mL

Batch: 2L07007

Sequence:

BA13047

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	roo	Method
7440-50-8	Copper	71.7	5	D	0.925	3.56	7.11	EPA 6010C
7439-92-1	Lead	40.1	5	D	1.14	14.2	28.5	EPA 6010C
7440-02-0	Nickel	16.1	5	К	0.384	3.56	7.11	EPA 6010C
7440-31-5	Tin	3.12	5	HOB.	1.57	28.5	56.9	EPA 6010C
7440-66-6	Zinc	164	5	D	2.13	7.11	14.2	EPA 60100

LW03-SD627-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205573-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205967-24

File ID: 120612aRP1-021

Sampled: 12/04/12 14:55

Prepared: 12/05/12 11:12

Analyzed: 12/06/12 11:19

Solids: 33.32

Preparation: EPA 3050B

Initial/Final: 0.65 g / 50 mL

Batch: 2L05009

Sequence:

BA13018

Calibration: 1212006

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	233	5	D	1.50	5.77	11.5	EPA 6010C
7439-92-1	Lead	113	5	B	1.85	23.1	46.2	EPA 6010C
7440-02-0	Nickel	27.1	5	D	0.623	5.77	11.5	EPA 6010C
7440-31-5	Tin	9.98	5	My	2.54	46.2	92.4	EPA 6010C
7440-66-6	Zinc	500	5	ď	3.46	11.5	23.1	EPA 6010C



LW03-SD616-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-01

File ID: 120712a-016

Sampled: 12/05/12 11:30

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 10:56

Solids: 81.01

Preparation: EPA 3050B

Initial/Final: 0.6 g / 50 mL

Batch: 2L06007

Sequence:

BA13032

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	_547	5	DEO	0.669	2.57	5.14	EPA 6010C
7439-92-1	Lead	567	5	DEQ	0.823	10.3	20.6	EPA 6010C
7440-02-0	Nickel	140	.5	DO	0.278	2.57	5.14	EPA 6010C
7440-31-5	Tin	141	5	DO	1.13	20.6	41.1	EPA 6010C
7440-66-6	Zinc	2540	5	DEQ	1.54	5.14	10,3	EPA 6010C



LW03-SD616-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-01RE1

File ID: 120712a-109

Sampled: 12/05/12 11:30

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 14:33

Solids: 81.01

Preparation: EPA 3050B

BA13032

Initial/Final: 0.6 g / 50 mL

Batch: 2L06007

Sequence:

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	516	50	D	6.69	25.7	51.4	EPA 6010C
7439-92-1	Lead	548	50	D	8.23	103	206	EPA 6010C
7440-66-6	Zinc	2330	50	D	15.4	51.4	103	EPA 6010C



LW03-SD616-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-02

File ID: 121112a-016

Sampled: 12/05/12 11:35

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 10:49

Solids: 76.20

Preparation: EPA 3050B

Initial/Final: 0.59 g / 50 mL

Batch: 2L10012

BA13059 Sequence:

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	248	5	D	0.723	2.78	5.56	EPA 6010C
7439-92-1	Lead	233	5	D	0.890	11.1	22.2	EPA 6010C
7440-02-0	Nickel	36.4	5	D	0.300	2.78	5.56	EPA 6010C
7440-31-5	Tin	28.9	5	7DQ	1.22	22.2	44,5	EPA 6010C
7440-66-6	Zinc	.600	5	Exclude	1.67	5.56	11.1	EPA 6010C



LW03-SD616-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-02RE1

File ID: 121112a-121

Sampled: 12/05/12 11:35

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 14:50

Solids: 76.20

Preparation: EPA 3050B

Initial/Final: 0.59 g / 50 mL

Batch: 2L10012

Sequence: BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	562	20	D	6.67	22.2	44.5	EPA 60100

LW03-SD616-3642-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

Sequence:

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-03

File ID: 121312a-016

Sampled: 12/05/12 11:40

Batch: 2L12013

Prepared: 12/12/12 14:34

Analyzed: 12/13/12 11:09

Solids: 79.41

Preparation: EPA 3050B

BA13086

Calibration: 1212023

Initial/Final: 0.59 g / 50 mL

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	171	5	DOL	0.694	2.67	5.34	EPA 6010C
7439-92-1	Lead	150	5	DOL	0.854	10.7	21.3	EPA 6010C
7440-02-0	Nickel	18.8	5	B	0.288	2.67	5.34	EPA 6010C
7440-31-5	Tin	20.0	5	JD'	1.17	21.3	42.7	EPA 6010C
7440-66-6	Zinc	415	5	DQ	1.60	5.34	10.7	EPA 6010C



LW03-SD616-4854-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-04

File ID: 121712aRP1-016

Sampled: 12/05/12 11:45

Prepared: 12/14/12 09:47

Analyzed: 12/17/12 11:41

Initial/Final: 0.71 g / 50 mL

Solids: 68.60 Batch: 2L14008 Preparation: EPA 3050B

BA13111

Sequence:

Calibration: 1212026

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	7.89	5	D	0.667	2.57	5.13	EPA 6010C
7439-92-1	Lead	9.17	5	JD/	0.821	10.3	20.5	EPA 6010C
7440-02-0	Nickel	5.43	5	D	0.277	2.57	5.13	EPA 6010C
7440-31-5	Tin	<20.5	5	nb	1.13	20.5	41.1	EPA 6010C
7440-66-6	Zinc	29,1	5	Ø	1,54	5.13	10.3	EPA 60100

LW03-SD622-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-06

File ID: 120712a-017

Sampled: 12/05/12 08:25

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 10:58

Solids: 64.07

Preparation: EPA 3050B

Initial/Final: 0.95 g / 50 mL

Batch: 2L06007

Sequence:

BA13032

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	288	5	D	0.507	1.95	3.90	EPA 6010C
7439-92-1	Lead	295	5	D	0.624	7.80	15.6	EPA 6010C
7440-02-0	Nickel	46.5	5	B	0.211	1.95	3.90	EPA 6010C
7440-31-5	Tin	46.0	5	B	0.858	15.6	31.2	EPA 6010C
7440-66-6	Zinc	983	5	DE	1.17	3.90	7.80	EPA 6010C



LW03-SD622-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-06RE1

File ID: 120712a-110

Sampled: 12/05/12 08:25

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 14:36

Solids: 64.07

Preparation: EPA 3050B

Initial/Final: 0.95 g / 50 mL

Batch: 2L06007

Sequence: BA13032

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	927	20	p	4.68	15.6	31.2	EPA 6010C



LW03-SD622P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-07

File ID: 120712a-018

Sampled: 12/05/12 08:30

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 11:00

Initial/Final: 0.79 g / 50 mL

Solids: <u>65.05</u> Batch: <u>2L06007</u> Preparation: EPA 3050B

BA13032

Sequence:

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	285	5	N	0.632	2.43	4.87	EPA 6010C
7439-92-1	Lead	282	5	pr	0.778	9.73	19.5	EPA 6010C
7440-02-0	Nickel	33.4	5	D	0.263	2.43	4.87	EPA 6010C
7440-31-5	Tin	36.9	5	JD.	1.07	19.5	38.9	EPA 6010C
7440-66-6	Zinc	848	5	DE	1.46	4.87	9.73	EPA 6010C



LW03-SD622P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-07RE1

File ID: 120712a-111

Sampled: 12/05/12 08:30

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 14:38

Solids: 65.05

Preparation: EPA 3050B

Initial/Final: 0.79 g / 50 mL

Batch: 2L06007

Sequence: BA13032

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	933	20	,D	5.84	19.5	38.9	EPA 6010C

LW03-SD622-2430-12D

Instrument: JMICP2

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Sequence:

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Calibration: 1212016

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-08

File ID: 121112a-017

Sampled: 12/05/12 08:35

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 10:50

Trepared. IETOTE 07.5

Solids: <u>73.76</u> Batch: <u>2L10012</u> Preparation: EPA 3050B BA13059 Initial/Final: 0.93 g / 50 mL

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	161	5	D	0.441	1.69	3.39	EPA 6010C
7439-92-1	Lead	155	5	D	0.542	6.78	13.6	EPA 6010C
7440-02-0	Nickel	32.7	5	ď	0.183	1,69	3.39	EPA 6010C
7440-31-5	Tin	21.6	5	ър′	0.746	13.6	27.1	EPA 6010C
7440-66-6	Zinc	417	5	DE	1.02	3.39	6.78	EPA 6010C

11

LW03-SD622-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-08RE1

File ID: 121112a-122

Sampled: 12/05/12 08:35

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 14:53

Solids: 73.76

Preparation: EPA 3050B

Initial/Final: 0.93 g / 50 mL

Batch: 2L10012

Sequence:

BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	434	20	D	4.07	13.6	27.1	EPA 6010C

LW03-SD622-3642-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B205991-09 File ID: 121312a-017

Sampled: 12/05/12 08:40 Prepared: 12/12/12 14:34 Analyzed: 12/13/12 11:11

Solids: 64.50 Preparation: EPA 3050B Initial/Final: 0.59 g / 50 mL

Batch: 2L12013 Sequence: BA13086 Calibration: 1212023 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	16.6	5	D	0.854	3.28	6.57	EPA 6010C
7439-92-1	Lead	16.5	5	JD	1.05	13.1	26.3	EPA 6010C
7440-02-0	Nickel	16.5	5	p	0.355	3.28	6.57	EPA 6010C
7440-31-5	Tin	1.74	5	No	1.45	26.3	52.6	EPA 6010C
7440-66-6	Zinc	70.7	5	D	1.97	6.57	13.1	EPA 6010C



LW03-SD623-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-12

File ID: 120712a-019

Sampled: 12/05/12 10:05

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 11:02

Preparation: EPA 3050B

Initial/Final: 0.55 g / 50 mL

Solids: 81.33 Batch: 2L06007

Sequence: BA13032

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	166	5	B	0.727	2.79	5.59	EPA 6010C
7439-92-1	Lead	219	5	D	0.894	11.2	22.4	EPA 6010C
7440-02-0	Nickel	54.2	5	D	0.302	2.79	5.59	EPA 6010C
7440-31-5	Tin	41.9	5	ъ	1.23	22.4	44.7	EPA 6010C
7440-66-6	Zinc	274	5	Piclud	1.68	5.59	11.2	EPA 6010C



LW03-SD623-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-12RE1

File ID: 120712a-112

Sampled: 12/05/12 10:05

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 14:41

Solids: 81.33

Preparation: EPA 3050B

Initial/Final: 0.55 g / 50 mL

Batch: 2L06007

BA13032 Sequence:

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	865	20	D	6.71	22.4	44.7	EPA 60100

LW03-SD623-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-13

File ID: 121112a-018

Sampled: 12/05/12 10:10

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 10:52

The state of the s

Preparation: EPA 3050B

Initial/Final: 0.71 g / 50 mL

Solids: <u>77.43</u>
Batch: <u>2L10012</u>

Sequence: BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	183	5	D	0.591	2.27	4.55	EPA 6010C
7439-92-1	Lead	128	5	D	0.728	9.09	18.2	EPA 6010C
7440-02-0	Nickel	30.4	5	ø	0.246	2.27	4.55	EPA 6010C
7440-31-5	Tin	25.5	5	JD,	1.00	18.2	36.4	EPA 6010C
7440-66-6	Zinc	487	5	DE	1.36	4.55	9.09	EPA 6010C





LW03-SD623-2430-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Sequence:

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-13RE1

File ID: 121112a-123

Sampled: 12/05/12 10:10

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 14:54

Batch: 2L10012

Solids: <u>77.43</u>

Preparation: EPA 3050B BA13059

Initial/Final: 0.71 g / 50 mL

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)		Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	489	20	D	5.46	18.2	36.4	EPA 60100

LW03-SD623-3642-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-14

File ID: 121312a-018

Sampled: 12/05/12 10:15

Prepared: 12/12/12 14:34

Analyzed: 12/13/12 11:13

Solids: 75.06

Preparation: EPA 3050B

Initial/Final: 0.58 g / 50 mL

Batch: 2L12013

Sequence:

BA13086

Calibration: 1212023

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	11.5	5	D	0.747	2.87	5.74	EPA 6010C
7439-92-1	Lead	11.7	5	JØ.	0.919	11.5	23.0	EPA 6010C
7440-02-0	Nickel	10.2	5	ø	0.310	2.87	5.74	EPA 6010C
7440-31-5	Tin	3,39	5	MB	1.26	23.0	45.9	EPA 6010C
7440-66-6	Zinc	47.4	5	P	1.72	5.74	11.5	EPA 6010C

LW03-SD628-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

Sequence:

SDG: B205991-CTOWE07

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: <u>B205991-17</u>

File ID: 120712a-020

Sampled: 12/05/12 13:20

Client: CH2M Hill, Inc. (CH029)

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 11:04

Solids: 47.50 Batch: 2L06007 Preparation: EPA 3050B BA13032

Initial/Final: 1.08 g / 50 mL Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	193	5	B	0.684	2.63	5.26	EPA 6010C
7439-92-1	Lead	167	5	D	0.842	10.5	21.1	EPA 6010C
7440-02-0	Nickel	42.8	5	ø	0.284	2.63	5.26	EPA 6010C
7440-31-5	Tin	23.2	5	JD/	1.16	21,1	42.1	EPA 6010C
7440-66-6	Zinc	615	5	DE	1.58	5.26	10.5	EPA 6010C



LW03-SD628-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B205991-17RE1

File ID: 120712a-113

Sampled: 12/05/12 13:20

Prepared: 12/06/12 10:31

Analyzed: 12/07/12 14:44

Solids: 47.50

Preparation: EPA 3050B

Initial/Final: 1.08 g / 50 mL

Batch: 2L06007

Sequence:

BA13032

Calibration: 1212009

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q.	DL	LOD	LOQ	Method
7440-66-6	Zinc	701	20	10	6.32	21.1	42.1	EPA 6010C



LW03-SD628-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B205991-18 File ID: 121112a-019

Sampled: 12/05/12 13:25 Prepared: 12/10/12 09:52 Analyzed: 12/11/12 10:54

Solids: 58.75 Preparation: EPA 3050B Initial/Final: 0.59 g / 50 mL

Batch: 2L10012 Sequence: BA13059 Calibration: 1212016 Instrument: JM1CP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	62.8	5	D	0.938	3.61	7.21	EPA 6010C
7439-92-1	Lead	33.4	5	D	1.15	14.4	28.8	EPA 6010C
7440-02-0	Nickel	13.2	5	D	0.389	3.61	7.21	EPA 6010C
7440-31-5	Tin	3.42	5	200	1.59	28.8	57.7	EPA 6010C
7440-66-6	Zinc	131	5	ď	2.16	7.21	14.4	EPA 6010C

MBL



LW03-SD629-1218-12D

Initial/Final: 0.59 g / 50 mL

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B205991-CTOWE07

Solids: 75.46

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B205991-22 File ID: 120712a-021

Sampled: 12/05/12 14:40 Prepared: 12/06/12 10:31 Analyzed: 12/07/12 11:06

Preparation: EPA 3050B

Batch: 21.06007 Sequence: BA13032 Calibration: 1212009 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	91.1	5	D	0.730	2.81	5.61	EPA 6010C
7439-92-1	Lead	233	5	p	0.898	11.2	22.5	EPA 6010C
7440-02-0	Nickel	19.8	5	16	0.303	2.81	5.61	EPA 6010C
7440-31-5	Tin	16.5	5	JD di	1.24	22.5	44.9	EPA 6010C
7440-66-6	Zinc	377	5	p	1.68	5.61	11.2	EPA 6010C

LW03-SD629-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B205991-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B205991-23

File ID: 121112a-020

Sampled: 12/05/12 14:45 Prepared: 12/10/12 09:52 Analyzed: 12/11/12 10:55

Solids: 73.19 Preparation: EPA 3050B Initial/Final: 0.75 g / 50 mL

Batch: 2L10012 Sequence: BA13059 Calibration: 1212016 Instrument: JM1CP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	21.1	5	D	0.592	2.28	4.55	EPA 6010C
7439-92-1	Lead	16.0	5	JDS	0.729	9.11	18.2	EPA 6010C
7440-02-0	Nickel	4.96	5	p	0.246	2.28	4.55	EPA 6010C
7440-31-5	Tin	1.97	5	10h	1.00	18.2	36.4	EPA 6010C
7440-66-6	Zinc	44.8	5	B	1.37	4.55	9.11	EPA 6010C

MBL



LW03-SD637-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Sequence:

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-01

File ID: 121012a-018

Sampled: 12/06/12 09:50

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 11:12

Solids: 43.56

Batch: 2L07007

Preparation: EPA 3050B BA13047

Initial/Final: 0.77 g / 50 mL Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	69.5	5	D	0.969	3.73	7.45	EPA 6010C
7439-92-1	Lead	38.6	5	D	1.19	14.9	29.8	EPA 6010C
7440-02-0	Nickel	17.5	5	D	0.402	3.73	7.45	EPA 6010C
7440-31-5	Tin	3.86	5	JOB	1.64	29.8	59.6	EPA 6010C
7440-66-6	Zinc	164	5	DO	2.24	7.45	14.9	EPA 6010C

LW03-SD633-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206015-06 File ID: 121012a-019

Sampled: 12/06/12 11:10 Prepared: 12/07/12 09:35 Analyzed: 12/10/12 11:14

 Solids:
 42.40
 Preparation:
 EPA 3050B
 Initial/Final:
 0.87 g / 50 mL

 Batch:
 2L07007
 Sequence:
 BA13047
 Calibration:
 1212013
 Instrument:
 JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	153	5	10	0.881	3.39	6.78	EPA 6010C
7439-92-1	Lead	70.1	5	D	1.08	13.6	27.1	EPA 6010C
7440-02-0	Nickel	23.0	5	p-	0.366	3.39	6.78	EPA 6010C
7440-31-5	Tin	7.45	5	Me	1.49	27.1	54.2	EPA 6010C
7440-66-6	Zinc	310	5	В	2.03	6.78	13.6	EPA 6010C

MBL



LW07-SD501-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-11

File ID: 121012a-020

Sampled: 12/06/12 15:00

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 11:16

Solids: 60.53

Preparation: EPA 3050B

Initial/Final: 0.82 g / 50 mL

Batch: 2L07007

Sequence:

BA13047

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	237	5	Dy	0.655	2.52	5.04	EPA 6010C
7439-92-1	Lead	480	5	DI	0.806	10.1	20.1	EPA 6010C
7440-66-6	Zinc	746	5	DE	1.51	5.04	10.1	EPA 6010C



LW07-SD501-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-11RE1

File ID: 121012a-129

Sampled: 12/06/12 15:00

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 15:42

Solids: 60.53

Preparation: EPA 3050B

Initial/Final: 0.82 g / 50 mL

Batch: 2L07007

Sequence:

BA13047

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)			DL	LOD	LOQ	Method
7440-66-6	Zinc	730	20	16	6.04	20.1	40.3	EPA 60100

LW07-SD501P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Sequence:

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-12

File ID: 121012a-021

Sampled: 12/06/12 15:05

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 11:18

Solids: 56.93

Preparation: EPA 3050B

Initial/Final: 0.92 g / 50 mL

Batch: 2L07007

BA13047

micran's man

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	136	5	DS	0.571	2.20	4.39	EPA 6010C
7439-92-1	Lead	154	5	B 7	0.703	8.78	17.6	EPA 6010C
7440-66-6	Zinc	912	5	Exclude	1.32	4.39	8.78	EPA 6010C



LW07-SD501P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-12RE1

File ID: 121012a-132

Sampled: 12/06/12 15:05

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 15:49

Solids: 56.93

Preparation: EPA 3050B

Initial/Final: 0.92 g / 50 mL

Batch: 2L07007

Sequence:

BA13047

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	874	20	Ŋ	5.27	17.6	35.1	EPA 60100

LW07-SD501-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-13

File ID: 121212a-021

Sampled: 12/06/12 15:10

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 10:54

Solids: 62.00

Preparation: EPA 3050B

Initial/Final: 0.56 g / 50 mL

Batch: 2L11005

BA13068

Sequence:

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	27.9	5	D	0.936	3.60	7.20	EPA 6010C
7439-92-1	Lead	24,3	5	JD'	1.15	14.4	28.8	EPA 6010C
7440-66-6	Zinc	146	5	D	2.16	7.20	14.4	EPA 60100

LW07-SD502-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-17

File ID: 121012a-024

Sampled: 12/06/12 13:35

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 11:24

Solids: 55.38

Preparation: EPA 3050B

Initial/Final: 0.85 g / 50 mL

Batch: 2L07007

Sequence:

BA13047

Calibration: 1212013

Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	133	5	D	0.690	2.66	5.31	EPA 6010C
7439-92-1	Lead	278	5	15	0.850	10.6	21.2	EPA 6010C
7440-66-6	Zinc	297	5	DE	1.59	5.31	10.6	EPA 6010C

DL



LW07-SD502-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-17RE1

File ID: 121012a-133

Sampled: 12/06/12 13:35

Prepared: 12/07/12 09:35

Analyzed: 12/10/12 15:50

Solids: 55.38

Preparation: EPA 3050B BA13047 Initial/Final: 0.85 g / 50 mL

Batch: 2L07007

Sequence:

Calibration: 1212013

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	770	20	D	6.37	21.2	42.5	EPA 60100

LW07-SD502-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-18

File ID: 121212a-024

Sampled: 12/06/12 13:40

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:01

Solids: 70.21

Batch: 2L11005

Preparation: EPA 3050B

Initial/Final: 0.54 g / 50 mL

L. Buon

Sequence: BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	75.2	5	D	0.857	3.30	6.59	EPA 6010C
7439-92-1	Lead	213	5	Þ	1.06	13,2	26.4	EPA 6010C
7440-66-6	Zinc	562	5	ъ	1.98	6.59	13.2	EPA 6010C



LW07-SD501-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory 1D: <u>B206015-11</u>

File ID: 121012S-014

Sampled: 12/06/12 15:00

Prepared: 12/07/12 13:09

Analyzed: 12/10/12 10:59

Solids: 60.53

Preparation: EPA 7471B

Initial/Final; 0.38 g / 36 mL

Batch: 2L07018

Sequence: BA13043

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)	111 CO. CO. CO. CO. CO. CO. CO.		DL	LOD	LOQ	Method	
7439-97-6	Mercury	0.641	1	ØK	0.00704	0.0313	0.0626	EPA 7471B	H



LW07-SD501P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-12

File ID: 121012S-015

Sampled: 12/06/12 15:05

Prepared: 12/07/12 13:09

Analyzed: 12/10/12 11:02

Solids: 56.93

Preparation: EPA 7471B

Initial/Final: 0.36 g / 36 mL

Batch: 2L07018

Sequence: BA13043

Calibration: 1212011

Instrument: JMHG1

FB

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	1.18	1	7	0.00790	0.0351	0.0703	EPA 7471B



LW07-SD501-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-13

File ID: 121212S-014

Sampled: 12/06/12 15:10

Prepared: 12/11/12 11:00

Analyzed: 12/12/12 11:29

Solids: 62.00

Preparation: EPA 7471B

Initial/Final: 0.39 g / 36 mL

Batch: 2L11017

Sequence: BA13070

Calibration: 1212018

CAS NO.	Analyte	Concentration (mg/kg dry)		Q	DL	LOD	roo	Method
7439-97-6	Mercury	0.315	1		0.00670	0.0298	0.0596	EPA 7471E

LW07-SD502-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-17

File ID: 121012S-016

Sampled: 12/06/12 13:35

Prepared: 12/07/12 13:09

Analyzed: 12/10/12 11:04

Solids: 55.38

Preparation: EPA 7471B

Initial/Final: 0.27 g / 36 mL

Batch: 2L07018

Sequence: BA13043

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	0.434	1		0.0108	0.0482	0.0963	EPA 7471E

LW07-SD502-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206015-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206015-18

File ID: 121212S-015

Sampled: 12/06/12 13:40

Prepared: 12/11/12 11:00

Analyzed: 12/12/12 11:31

Solids: 70.21

Preparation: EPA 7471B

Initial/Final: 0.26 g / 36 mL

Batch: 2L11017

Sequence: BA13070

Calibration: 1212018

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	0,671	1		0.00887	0.0394	0.0789	EPA 7471E

LW07-L5-SD506-0006-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-11

File ID: 121012S-030

Sampled: 12/07/12 09:40

Prepared: 12/10/12 10:53

Analyzed: 12/10/12 16:16

Solids: 50.52

Preparation: EPA 7471B

Initial/Final: 0.34 g / 36 mL

Batch: 2L10015

Sequence: BA13043

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)			DL	LOD	LOQ	Method
7439-97-6	Mercury	0.263	1	RJ.	0.00943	0.0419	0.0838	EPA 7471B



LW07-M3-SD505-0006-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-12

File ID: 121012S-031

Sampled: 12/07/12 11:10

Prepared: 12/10/12 10:53

Analyzed: 12/10/12 16:18

Solids: 49.60

Preparation: EPA 7471B

Initial/Final: 0.4 g / 36 mL

Batch: 2L10015

Sequence:

BA13043

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)		DL	LOD	LOQ	Method
7439-97-6	Mercury	0.963	1	0.00817	0.0363	0.0726	EPA 7471F

LW07-M3-SD505P-0006-12D

INORGANIC ANALYSIS DATA SHEET **EPA 7471B**

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-13

File ID: 121012S-032

Sampled: 12/07/12 11:15

Prepared: 12/10/12 10:53

Analyzed: 12/10/12 16:20

Solids: 45.42

Preparation: EPA 7471B

Initial/Final: 0.42 g / 36 mL

Batch: 2L10015

BA13043 Sequence:

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	0.566	1		0.00849	0.0377	0.0755	EPA 7471E



LW07-SD504-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-19

File ID: 121012S-033

Sampled: 12/07/12 12:40

Prepared: 12/10/12 10:53

Analyzed: 12/10/12 16:23

Solids: 36.20

Preparation: EPA 7471B

Initial/Final: 0.41 g/36 mL

Batch: 2L10015

Sequence: BA13043

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)	Color Street, Color, or I	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	0.408	1		0.0109	0.0485	0.0970	EPA 74711



LW07-SD503-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-24

File ID: 121012S-034

Sampled: 12/07/12 14:10

Prepared: 12/10/12 10:53

Analyzed: 12/10/12 16:25

Solids: 45.67

Preparation: EPA 7471B

Initial/Final: 0.52 g / 36 mL

Batch: 2L10015

Sequence: BA13043

Calibration: 1212011

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	0.293	1.		0.00682	0.0303	0.0606	EPA 74711



LW07-SD507-0006-12D

INORGANIC ANALYSIS DATA SHEET EPA 7471B

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206039-30

File ID: 121012S-035

Sampled: 12/07/12 08:30 Prepared: 12/10/12 10:53 Analyzed: 12/10/12 16:28

Solids: 48.36 Preparation: EPA 7471B Initial/Final: 0.41 g/36 mL

Batch: 2L10015 Sequence: BA13043 Calibration: 1212011 Instrument: JMHG1

CAS NO.	Analyte	Concentration (mg/kg dry)		Q	DL	LOD	rod	Method
7439-97-6	Mercury	0.241	1		0.00817	0.0363	0.0726	EPA 7471B



LW07-L5-SD506-0006-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-11

File ID: 121112a-021

Sampled: 12/07/12 09:40

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 10:57

Solids: 50.52

Preparation: EPA 3050B

Initial/Final: 0.54 g / 50 mL

Batch: 2L10012

Sequence:

BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	43.5	5	D	1.19	4.58	9.16	EPA 6010C
7439-92-1	Lead	88.7	5	DOL	1.47	18.3	36.7	EPA 6010C
7440-66-6	Zinc	219	5	DO	2.75	9.16	18.3	EPA 6010C

LW07-M3-SD505-0006-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-12

File ID: 121112a-024

Sampled: 12/07/12 11:10

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 11:03

Solids: 49.60

Preparation: EPA 3050B

Initial/Final: 0.77 g / 50 mL

Batch: 2L10012

Sequence:

BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	91.0	5	D	0.851	3.27	6.55	EPA 6010C
7439-92-1	Lead	95.6	5	В	1.05	13.1	26.2	EPA 6010C
7440-66-6	Zinc	414	5	D	1.96	6.55	13.1	EPA 6010C

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-13

File ID: 121112a-025

Sampled: 12/07/12 11:15

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 11:05

Solids: 45.42

Preparation: EPA 3050B

Initial/Final: 0.8 g / 50 mL

Batch: 2L10012

Sequence:

BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	roo	Method
7440-50-8	Copper	102	5	D	0.894	3.44	6.88	EPA 6010C
7439-92-1	Lead	125	5	D	1.10	13.8	27.5	EPA 6010C
7440-66-6	Zinc	550	5	D	2.06	6.88	13.8	EPA 6010C

LW07-SD504-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-19

File ID: 121112a-026

Sampled: 12/07/12 12:40

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 11:07

Solids: 36.20

BA13059

Initial/Final: 0.62 g / 50 mL

Batch: 2L10012

Preparation: EPA 3050B

Sequence:

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	109	5	D	1.45	5.57	11.1	EPA 6010C
7439-92-1	Lead	71.4	5	p	1.78	22.3	44.6	EPA 6010C
7440-66-6	Zinc	365	5	D	3.34	11.1	22.3	EPA 6010C



LW07-SD503-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-24

File ID: 121112a-027

Sampled: 12/07/12 14:10

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 11:08

Solids: 45.67

Preparation: EPA 3050B

Initial/Final: 0.77 g / 50 mL

Batch: 2L10012

Sequence:

BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	63.7	5	D	0.924	3.55	7.11	EPA 6010C
7439-92-1	Lead	297	5	D	1.14	14.2	28.4	EPA 6010C
7440-66-6	Zinc	465	5	D	2.13	7.11	14.2	EPA 6010C



LW07-EB01-120712

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Water

Laboratory ID: B206039-29

File ID: 121212a-015

Sampled: 12/07/12 13:30

Prepared: 12/11/12 09:56

Analyzed: 12/12/12 10:41

200 -

r repared.

Timing toda Internal

Solids: 0.00

Sequence:

Preparation: EPA 3005A

Initial/Final: 50 mL / 50 mL

Batch: 2L11006 Seque

BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	DL	LOD	LOQ	Method	
7440-50-8	Copper	1.94	I	18	1.40	5.00	10.0	EPA 6010C	cc
7439-92-1	Lead	<20.0	t	U	1.60	20.0	40.0	EPA 6010C	
7440-66-6	Zinc	3.73	1	J	3,00	10.0	20.0	EPA 6010C	1



LW07-SD507-0006-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206039-30

File ID: 121112a-028

Sampled: 12/07/12 08:30

Prepared: 12/10/12 09:52

Analyzed: 12/11/12 11:10

Solids: 48.36

Preparation: EPA 3050B

Initial/Final: 0.68 g / 50 mL

Batch: 2L10012

Sequence:

BA13059

Calibration: 1212016

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	55.3	5	D	0.988	3.80	7.60	EPA 6010C
7439-92-1	Lead	39.6	5	B	1,22	15.2	30.4	EPA 6010C
7440-66-6	Zinc	242	5	16	2.28	7.60	15.2	EPA 6010C

LW07-EB01-120712

INORGANIC ANALYSIS DATA SHEET EPA 7470A

Laboratory: ENCO Jacksonville

SDG: B206039-CTOWE07

Client: CH2M Hill. Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Water

Laboratory ID: B206039-29

File ID: 121212W-013

Sampled: 12/07/12 13:30

Prepared: 12/11/12 10:57

Analyzed: 12/12/12 12:50

e 274 1444

12111210

Analyzed. 12/12/12 12.50

Solids: 0.00

Preparation: EPA 7470A

BA13076

Initial/Final: 30 mL / 30 mL

Batch: 2L11016

Sequence:

Calibration: 1212021

Instrument: JMHG1

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-97-6	Mercury	< 0.200	1.	U	0.0650	0.200	0.400	EPA 7470

LW03-SD647-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-01

File ID: 121212a-025

Sampled: 12/08/12 08:30

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:02

Solids: <u>55.46</u>

Initial/Final: 0.66 g / 50 mL

Preparation: EPA 3050B

Batch: 2L11005

Sequence:

BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	749	5	DE	0.888	3.42	6.83	EPA 6010C
7439-92-1	Lead	101	5	DJ.7	1.09	13.7	27.3	EPA 6010C
7440-02-0	Nickel	22.7	5	DJ	0.369	3.42	6.83	EPA 6010C
7440-31-5	Tin	11.9	5	100 B	1.50	27.3	54.6	EPA 6010C
7440-66-6	Zinc	556	5	D'	2.05	6.83	13.7	EPA 6010C



LW03-SD647-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-01RE1

File ID: 121212a-113

Sampled: 12/08/12 08:30

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 14:28

Solids: <u>55.46</u>

Preparation: EPA 3050B BA13068 Initial/Final: 0.66 g / 50 mL

Batch: 2L11005

Sequence:

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	719	20	BI	3.55	13.7	27.3	EPA 6010C



LW03-SD647P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Sequence:

Laboratory ID: B206074-02

File ID: 121212a-026

Sampled: 12/08/12 08:35

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:04

Solids: 53.26

Batch: 2L11005

Preparation: EPA 3050B BA13068

Initial/Final: 0.93 g / 50 mL

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	362	5	D	0.610	2.35	4.69	EPA 6010C
7439-92-1	Lead	217	5	D.7	0.751	9.39	18.8	EPA 6010C
7440-02-0	Nickel	49.3	5	PJ	0.253	2.35	4.69	EPA 6010C
7440-31-5	Tin	45.8	5	BJ	1.03	18.8	37.5	EPA 6010C
7440-66-6	Zinc	965	5	DE	1.41	4.69	9.39	EPA 6010C

LW03-SD647P-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-02RE1

File ID: 121212a-114

Sampled: 12/08/12 08:35

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 14:31

Solids: 53.26

Preparation: EPA 3050B

Initial/Final: 0.93 g / 50 mL

Batch: 2L11005

Sequence:

BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)			DL	LOD	LOQ	Method
7440-66-6	Zinc	962	20	DI	5.63	18.8	37.5	EPA 6010C



LW03-SD647-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-03

File ID: 121412a-016

Sampled: 12/08/12 08:40

Prepared: 12/13/12 11:11

Analyzed: 12/14/12 11:00

Solids: 62.27

Initial/Final: 0.84 g / 50 mL

Batch: 2L13013

Preparation: EPA 3050B BA13101

Sequence:

Calibration: 1212024

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method	
7440-50-8	Copper	57.8	5	DOL	0.621	2.39	4.78	EPA 6010C	L
7439-92-1	Lead	2440	5	DEQ	0.765	9.56	19.1	EPA 6010C	r
7440-02-0	Nickel	9.34	5	D	0.258	2.39	4.78	EPA 6010C	
7440-31-5	Tin	7.34	5	NB	1.05	19.1	38.2	EPA 6010C	1
7440-66-6	Zinc	1000	5	DEO	1.43	4.78	9.56	EPA 6010C	2

LW03-SD647-2430-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-03RE1

File ID: 121412a-111

Sampled: 12/08/12 08:40

Prepared: 12/13/12 11:11

Analyzed: 12/14/12 14:43

Solids: 62.27

Preparation: EPA 3050B

Initial/Final: 0.84 g / 50 mL

Batch: 2L13013

Sequence:

BA13101

Calibration: 1212024

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7439-92-1	Lead	2550	50	D	7.65	95.6	191	EPA 6010C
7440-66-6	Zinc	1040	50	D	14.3	47.8	95.6	EPA 6010C

LW03-SD647-3642-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-04

File ID: 121812aRP1-016

Sampled: 12/08/12 08:45

Prepared: 12/17/12 10:58

Analyzed: 12/18/12 10:51

Solids: 61.06

Preparation: EPA 3050B

Initial/Final: 0.56 g / 50 mL

Batch: 2L17008

Sequence:

BA13125

Calibration: 1212028

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method	
7440-50-8	Copper	50.1	5	DOL	0.950	3.66	7.31	EPA 6010C	M
7439-92-1	Lead	41.5	5	D'	1.17	14.6	29.2	EPA 6010C	
7440-02-0	Nickel	13.1	5	₽Ď*	0.395	3.66	7.31	EPA 6010C	
7440-31-5	Tin	4.68	5	NB	1.61	29,2	58.5	EPA 6010C	M
7440-66-6	Zinc	157	5	DOL	2.19	7.31	14.6	EPA 6010C	M



LW03-SD641-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-07

File ID: 121212a-027

Sampled: 12/08/12 09:30

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:06

378

Analyzed. 12/12/12 11.00

Solids: <u>50.04</u>

Preparation: EPA 3050B

BA13068

Initial/Final: 0.58 g / 50 mL

Batch: 2L11005

Sequence:

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	524	5	D	1.12	4.31	8.61	EPA 6010C
7439-92-1	Lead	240	5	D	1.38	17.2	34.5	EPA 6010C
7440-02-0	Nickel	62.9	5	ø	0.465	4.31	8.61	EPA 6010C
7440-31-5	Tin	62.5	5	JD/	1.89	34.5	68.9	EPA 6010C
7440-66-6	Zinc	1950	5	DE	2.58	8.61	17.2	EPA 6010C



LW03-SD641-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-07RE1

File ID: 121212a-115

Sampled: 12/08/12 09:30

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 14:32

Solids: 50.04

Preparation: EPA 3050B

Initial/Final: 0.58 g / 50 mL

Batch: 2L11005

BA13068

Sequence:

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	1050	20	,D	10.3	34.5	68.9	EPA 6010C



LW03-SD641-2430-12D

Initial/Final: 0.94 g / 50 mL

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Solids: 61.08

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206074-08 File ID: 121412a-017

Preparation: EPA 3050B

Sampled: 12/08/12 09:35 Prepared: 12/13/12 11:11 Analyzed: 12/14/12 11:02

Batch: 2L13013 Sequence: BA13101 Calibration: 1212024 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	193	5	D	0.532	2.05	4.09	EPA 6010C
7439-92-1	Lead	139	5	D	0.655	8.19	16.4	EPA 6010C
7440-02-0	Nickel	64.3	5	,D	0.221	2.05	4.09	EPA 6010C
7440-31-5	Tin	45.2	5	б	0.901	16.4	32.7	EPA 6010C
7440-66-6	Zinc	521	5	Exclude	1.23	4.09	8.19	EPA 6010C



LW03-SD641-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

Client: CH2M Hill, Inc. (CH029)

SDG: B206074-CTOWE07

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-08RE1

File ID: 121412a-112

Sampled: 12/08/12 09:35

Prepared: 12/13/12 11:11

Analyzed: 12/14/12 14:46

12.00.12.00.15

Preparation: EPA 3050B

Initial/Final: 0.94 g / 50 mL

Solids: <u>61.08</u> Batch: <u>2L13013</u>

Sequence: BA13101

Calibration: 1212024

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	495	20	D	4.91	16.4	32.7	EPA 60100



LW03-SD641-3642-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-09

6074-09

File ID: 121812aRP1-017

Sampled: 12/08/12 09:40

Prepared: 12/17/12 10:58

Analyzed: 12/18/12 10:53

Solids: 63.82

Preparation: EPA 3050B

Initial/Final: 0.52 g / 50 mL

Batch: 2L17008

Sequence: BA13125

Calibration: 1212028

Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	47.4	5	D	0.979	3.77	7.53	EPA 6010C
7439-92-1	Lead	32.3	5	D	1.21	15.1	30.1	EPA 6010C
7440-02-0	Nickel	8.40	5	D	0.407	3.77	7.53	EPA 6010C
7440-31-5	Tin	3.07	5	JE B	1.66	30.1	60.3	EPA 6010C
7440-66-6	Zinc	165	5	10	2.26	7.53	15,1	EPA 6010C

na



LW03-SD649-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206074-13 File ID: 121212a-028

Sampled: 12/08/12 10:50 Prepared: 12/11/12 11:08 Analyzed: 12/12/12 11:07

 Solids:
 43.99
 Preparation:
 EPA 3050B
 Initial/Final:
 0.6 g / 50 mL

 Batch:
 2L11005
 Sequence:
 BA13068
 Calibration:
 1212020
 Instrument:
 JMICP2

Concentration Dilution CAS NO. Analyte DL LOD LOQ (mg/kg dry) Factor Q Method DOK 7440-50-8 Copper 146 5 1.23 4.74 9.47 **EPA 6010C** USH MSH DOL EPA 6010C 7439-92-1 Lead 94.0 5 1.52 18.9 37.9 7440-02-0 Nickel 18.3 5 D 0.512 4.74 9.47 EPA 6010C NO B 2.08 7440-31-5 Tin 7.00 5 37.9 75.8 EPA 6010C MEL DOY Zinc 349 5 2.84 9.47 18.9 7440-66-6 **EPA 6010C** USH

LW03-EB01-120812

Initial/Final: 50 mL / 50 mL

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Solids: 0.00

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Water Laboratory ID: B206074-18 File ID: 121212a-016

Sampled: 12/08/12 11:40 Prepared: 12/11/12 09:56 Analyzed: 12/12/12 10:44

Preparation: EPA 3005A

Batch: 2L11006 Sequence: BA13068 Calibration: 1212020 Instrument: JMICP2

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	<5.00	1	U	1.40	5.00	10.0	EPA 6010C
7439-92-1	Lead	<20.0	1	U	1.60	20.0	40.0	EPA 6010C
7440-02-0	Nickel	<5.00	1	U	0.600	5.00	10.0	EPA 6010C
7440-31-5	Tin	<20.0	1	U	1.30	20.0	40.0	EPA 6010C
7440-66-6	Zinc	<10.0	1	U	3.00	10.0	20.0	EPA 6010C



LW03-SD635-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: <u>B206074-19</u> File ID: <u>121212a-029</u>

Sampled: 12/08/12 12:10 Prepared: 12/11/12 11:08 Analyzed: 12/12/12 11:09

Solids: 64.57 Preparation: EPA 3050B Initial/Final: 0.53 g / 50 mL

Batch: 2L11005 Sequence: BA13068 Calibration: 1212020 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method	
7440-50-8	Copper	.847	5	DE biclude	0.950	3,65	7.31	EPA 6010C	I
7439-92-1	Lead	247	5	DE		14.6	29:2	EPA 6010C	2
7440-02-0	Nickel	147	5	D	0.395	3.65	7.31	EPA 6010C	
7440-31-5	Tin	231	5	Ð	1.61	29,2	58.4	EPA 6010C	1
7440-66-6	Zinc	2340	5	DE	2.19	7.31	14.6	EPA 6010C	1



LW03-SD635-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-19RE1

File ID: 121212a-116

Sampled: 12/08/12 12:10

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 14:35

Solids: 64.57

Preparation: EPA 3050B

Initial/Final: 0.53 g / 50 mL

Batch: 2L11005

Sequence: BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL.	LOD	LOQ	Method
7440-50-8	Copper	834	50	D	9.50	36.5	73.1	EPA 6010C
7439-92-1	Lead	787	50	p	11.7	146	292	EPA 6010C
7440-66-6	Zinc	2370	50	D'	21.9	73.1	146	EPA 6010C



LW03-SD635-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-20

File ID: 121412a-018

Sampled: 12/08/12 12:15

Prepared: 12/13/12 11:11

Analyzed: 12/14/12 11:04

110parcu. 12/13/12/1

Solids: 54.83

Preparation: EPA 3050B

Initial/Final: 0.56 g / 50 mL

Batch: 2L13013

Sequence: BA13101

Calibration: 1212024

Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	76.2	5	D	1.06	4.07	8.14	EPA 6010C
7439-92-1	Lead	56.7	5	P	1.30	16.3	32.6	EPA 6010C
7440-02-0	Nickel	23.2	5	p	0.440	4.07	8.14	EPA 6010C
7440-31-5	Tin	6.06	5	10 B	1.79	32.6	65.1	EPA 6010C
7440-66-6	Zinc	260	5	D	2.44	8.14	16.3	EPA 6010C

mer



LW03-SD609A-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-24

File ID: 121212a-030

Sampled: 12/08/12 15:10

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:11

Solids: 83.86

Preparation: EPA 3050B

Initial/Final: 0.74 g / 50 mL

Batch: 2L11005

Sequence: BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	1450	5	DE	0.524	2.01	4.03	EPA 6010C
7439-92-1	Lead	612	5	DE	0.645	8.06	16.1	EPA 6010C
7440-02-0	Nickel	167	5	Ð	0.218	2.01	4.03	EPA 6010C
7440-31-5	Tin	161	5	Ð	0.886	16.1	32.2	EPA 6010C
7440-66-6	Zinc	2570	5	DE	1.21	4.03	8.06	EPA 6010C



LW03-SD609A-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

 Matrix:
 Soil
 Laboratory ID:
 B206074-24RE1
 File ID:
 121212a-117

 Sampled:
 12/08/12 15:10
 Prepared:
 12/11/12 11:08
 Analyzed:
 12/12/12 14:38

Solids: 83.86 Preparation: EPA 3050B Initial/Final: 0.74 g / 50 mL

Batch: 2L11005 Sequence: BA13068 Calibration: 1212020 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	1320	50	B	5.24	20.1	40.3	EPA 6010C
7439-92-1	Lead	761	50	-15	6.45	80.6	161	EPA 6010C
7440-66-6	Zinc	3100	50	D	12.1	40.3	80.6	EPA 6010C



LW03-SD609A-2430-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

Project: JEB Little Creek-Fort Story CTO-WE07

Client: CH2M Hill, Inc. (CH029)

SDG: B206074-CTOWE07

File ID: 121412a-019

Sampled: 12/08/12 15:15

Prepared: 12/13/12 11:11

Laboratory ID: B206074-25

Analyzed: 12/14/12 11:06

Solids: 85.59

Matrix: Soil

Preparation: EPA 3050B

Initial/Final: 0.63 g / 50 mL

Batch: 2L13013

Sequence:

BA13101

Calibration: 1212024

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	246	5	exclude	0.603	2.32	4.64	EPA 6010C
7439-92-1	Lead	699	5	DE	0.742	9.27	18.5	EPA 6010C
7440-02-0	Nickel	208	5	D	0.250	2.32	4.64	EPA 6010C
7440-31-5	Tin	221	5	Ð	1.02	18.5	37.1	EPA 6010C
7440-66-6	Zinc	3080	5	Piclude	1.39	4.64	9.27	EPA 6010C



LW03-SD609A-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206074-25RE1 File ID: 121412a-113

Sampled: 12/08/12 15:15 Prepared: 12/13/12 11:11 Analyzed: 12/14/12 14:47

Solids: 85.59 Preparation: EPA 3050B Initial/Final: 0.63 g/50 mL

Batch: 2L13013 Sequence: BA13101 Calibration: 1212024 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	830	50	D	6.03	23.2	46.4	EPA 6010C
7439-92-1	Lead	820	50	D'	7.42	92.7	185	EPA 6010C
7440-66-6	Zinc	3600	50	D	13.9	46.4	92.7	EPA 6010C



LW03-SD609A-3642-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206074-26 File ID: 121812aRPI-018

Sampled: 12/08/12 15:20 Prepared: 12/17/12 10:58 Analyzed: 12/18/12 10:55

Solids: 82.52 Preparation: EPA 3050B Initial/Final: 0.61 g / 50 mL

Batch: 2L17008 Sequence: BA13125 Calibration: 1212028 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	214	5	D	0.646	2.48	4.97	EPA 6010C
7439-92-1	Lead	213	5	D	0.795	9.93	19.9	EPA 6010C
7440-02-0	Nickel	46.1	5	D	0.268	2.48	4.97	EPA 6010C
7440-31-5	Tin	39.2	5	JD*	1.09	19.9	39.7	EPA 6010C
7440-66-6	Zinc	591	5	DELLE	1.49	4.97	9.93	EPA 6010C

DL



LW03-SD609A-3642-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-26RE1

File ID: 121812aRP1-103

Sampled: 12/08/12 15:20

Prepared: 12/17/12 10:58

Analyzed: 12/18/12 14:25

Solids: 82.52

Preparation: EPA 3050B

Initial/Final: 0.61 g / 50 mL

Batch: 2L17008

Sequence:

BA13125

Calibration: 1212028

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	694	20	B	5.96	19.9	39.7	EPA 60100



INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-27

File ID: 122012aRP1-016

Sampled: 12/08/12 15:25

Prepared: 12/19/12 09:48

Analyzed: 12/20/12 11:03

Solids: 81.05

Preparation: EPA 3050B BA13150

Initial/Final: 0.8 g / 50 mL

Batch: 2L19005

Sequence:

Calibration: 1212032

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	497	5	DEO	0.501	1.93	3.86	EPA 6010C
7439-92-1	Lead	376	5	DO	0.617	7.71	15.4	EPA 6010C
7440-02-0	Nickel	93.1	5	DOL	0.208	1.93	3.86	EPA 6010C
7440-31-5	Tin	82.8	5	DOL	0.848	15.4	30.8	EPA 6010C
7440-66-6	Zinc	1670	5	DEO	1.16	3.86	7.71	EPA 6010C



LW03-SD609A-4854-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029) Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil Laboratory ID: B206074-27RE1 File ID: 122012aRP1-103

Sampled: 12/08/12 15:25 Prepared: 12/19/12 09:48 Analyzed: 12/20/12 14:36

Solids: 81.05 Preparation: EPA 3050B Initial/Final: 0.8 g / 50 mL

Batch: 2L19005 Sequence: BA13150 Calibration: 1212032 Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	424	50	D	5.01	19.3	38.6	EPA 6010C
7440-66-6	Zinc	1510	50	6	11.6	38.6	77.1	EPA 6010C



LW03-SD609A-6066-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-28

File ID: 122612a-016

Sampled: 12/08/12 15:30

Prepared: 12/21/12 09:46

Analyzed: 12/26/12 10:51

Solids: 78.28

Preparation: EPA 3050B

Initial/Final: 0.95 g / 50 mL

Batch: 2L21002

BA13176 Sequence:

Calibration: 1212034

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	236	5	DQ	0.415	1.60	3.19	EPA 6010C
7439-92-1	Lead	208	5	DQL	0.511	6.39	12.8	EPA 6010C
7440-02-0	Nickel	42.7	5	DOK	0.172	1.60	3.19	EPA 6010C
7440-31-5	Tin	41.1	5	DOL	0.703	12.8	25.5	EPA 6010C
7440-66-6	Zinc	693	5	DEC	0.958	3.19	6.39	EPA 6010C

LW03-SD609A-6066-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-28RE1

File ID: 122612a-140

Sampled: 12/08/12 15:30

Prepared: 12/21/12 09:46

Analyzed: 12/26/12 15:39

Solids: 78.28

Preparation: EPA 3050B

Initial/Final: 0.95 g / 50 mL

Batch: 2L21002

Sequence: BA13176

Calibration: 1212034

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	788	20	B	3.83	12.8	25.5	EPA 60100

LW03-SD640-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-29

File ID: 121212a-031

Sampled: 12/08/12 14:00

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:13

Solids: 49.16

Preparation: EPA 3050B

Initial/Final: 0.83 g / 50 mL

Batch: 2L11005

Sequence:

BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	147	5	,D	0.797	3.06	6.13	EPA 6010C
7439-92-1	Lead	142	5	В	0.980	12.3	24.5	EPA 6010C
7440-02-0	Nickel	15.2	5	В	0.331	3.06	6.13	EPA 6010C
7440-31-5	Tin	8.50	5	Ma	1.35	24.5	49.0	EPA 6010C
7440-66-6	Zinc	1090	5	DE		6.13	12.3	EPA 6010C

LW03-SD640-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-29RE1

File ID: 121212a-120

Sampled: 12/08/12 14:00

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 14:45

Solids: 49.16

Preparation: EPA 3050B

Initial/Final: 0.83 g / 50 mL

Batch: 2L11005

Sequence:

BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-66-6	Zinc	1320	20	DI	7.35	24.5	49.0	EPA 6010C



LW03-SD640P-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Sequence:

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-30

File ID: 121212a-032

Sampled: 12/08/12 14:05

Prepared: 12/11/12 11:08

Analyzed: 12/12/12 11:14

Solids: 48.23

Batch: 2L11005

Preparation: EPA 3050B BA13068

Initial/Final: 0.74 g / 50 mL Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	188	5	D	0.911	3.50	7.00	EPA 6010C
7439-92-1	Lead	116	5	D	1.12	14.0	28.0	EPA 6010C
7440-02-0	Nickel	16.8	5	D	0.378	3.50	7.00	EPA 6010C
7440-31-5	Tin	8.68	5	Rog	1.54	28.0	56.0	EPA 6010C
7440-66-6	Zinc	378	5	DI	2.10	7.00	14.0	EPA 6010C



LW03-SD640-2430-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Sequence:

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-31

File ID: 121412a-020

Sampled: 12/08/12 14:10

Prepared: 12/13/12 11:11

Analyzed: 12/14/12 11:07

Solids: 48.90

.

Initial/Final: 0.61 g / 50 mL

Batch: <u>2L13013</u>

Preparation: EPA 3050B BA13101

Calibration: 1212024

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	215	5	ď	1.09	4.19	8.38	EPA 6010C
7439-92-1	Lead	127	5	D	1.34	16.8	33.5	EPA 6010C
7440-02-0	Nickel	22.9	5	D	0.453	4.19	8.38	EPA 60100
7440-31-5	Tin	15.2	5	JD.	1.84	33.5	67.0	EPA 60100
7440-66-6	Zinc	666	5	D	2.51	8.38	16.8	EPA 60100



LW03-SD640-3642-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206074-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206074-32

File ID: 121812aRP1-019

Sampled: 12/08/12 14:15

Prepared: 12/17/12 10:58

Analyzed: 12/18/12 10:56

Preparation: EPA 3050B

Initial/Final: 0.66 g / 50 mL

Solids: 43.52 Batch: 2L17008

Sequence:

BA13125

Calibration: 1212028

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	142	5	D	1.13	4.35	8.70	EPA 6010C
7439-92-1	Lead	131	5	D'	1.39	17.4	34.8	EPA 6010C
7440-02-0	Nickel	20.6	5	D	0.470	4.35	8.70	EPA 6010C
7440-31-5	Tin	5.81	5	JOB B	1.91	34.8	69.6	EPA 6010C
7440-66-6	Zinc	300	5	ď	2.61	8.70	17.4	EPA 6010C

LW03-SD655-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206075-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206075-01

File ID: 121212a-040

Sampled: 12/09/12 08:10

Prepared: 12/11/12 11:09

Analyzed: 12/12/12 11:31

Solids: 44.22

Preparation: EPA 3050B BA13068

Initial/Final: 0.57 g / 50 mL

Batch: 2L11018

Sequence:

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	145	5	p	1.29	4.96	9.92	EPA 6010C
7439-92-1	Lead	126	5	D	1,59	19.8	39.7	EPA 6010C
7440-02-0	Nickel	21.8	5	D	0.536	4.96	9.92	EPA 6010C
7440-31-5	Tin	6.48	5	NB	2.18	39.7	79.3	EPA 6010C
7440-66-6	Zinc	300	5	В	2.98	9.92	19.8	EPA 6010C



LW03-SD634-1218-12D

INORGANIC ANALYSIS DATA SHEET **EPA 6010C**

Laboratory: ENCO Jacksonville

SDG: B206075-CTOWE07

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206075-06

File ID: 121212a-041

Sampled: 12/09/12 09:10

Prepared: 12/11/12 11:09

Analyzed: 12/12/12 11:33

Solids: 46.30

Preparation: EPA 3050B

Initial/Final: 0.58 g / 50 mL

Batch: 2L11018

Sequence:

BA13068

Calibration: 1212020

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method	
7440-50-8	Copper	274	5	DOL	1.21	4.66	9.31	EPA 6010C	1
7439-92-1	Lead	122	5	DO	1.49	18.6	37.2	EPA 6010C	V
7440-02-0	Nickel	18.8	5	D	0.503	4.66	9.31	EPA 6010C	1
7440-31-5	Tin	8.43	5	MB	2.05	37.2	74.5	EPA 6010C	P
7440-66-6	Zinc	407	5	DØ;	2.79	9.31	18.6	EPA 6010C	1



LW03-SD645-1218-12D

INORGANIC ANALYSIS DATA SHEET EPA 6010C

Sequence:

Laboratory: ENCO Jacksonville

SDG: B206075-CTOWE07

Calibration: 1212020

Client: CH2M Hill, Inc. (CH029)

Project: JEB Little Creek-Fort Story CTO-WE07

Matrix: Soil

Laboratory ID: B206075-11

File ID: 121212a-042

Sampled: 12/09/12 10:10

Prepared: 12/11/12 11:09

Analyzed: 12/12/12 11:34

Batch: 2L11018

31,100

Solids: 68.64

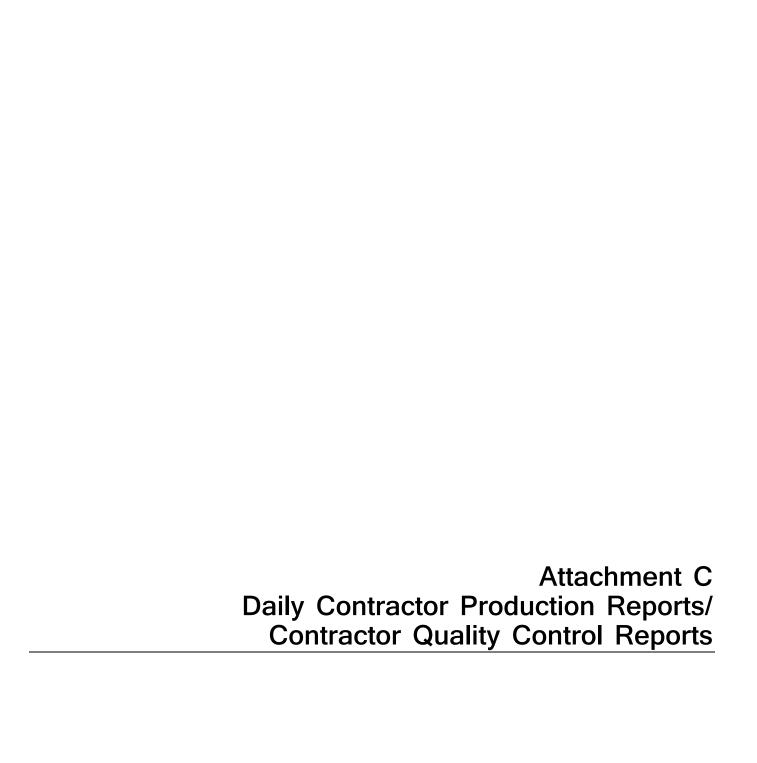
Preparation: EPA 3050B BA13068 Initial/Final: 0.78 g / 50 mL

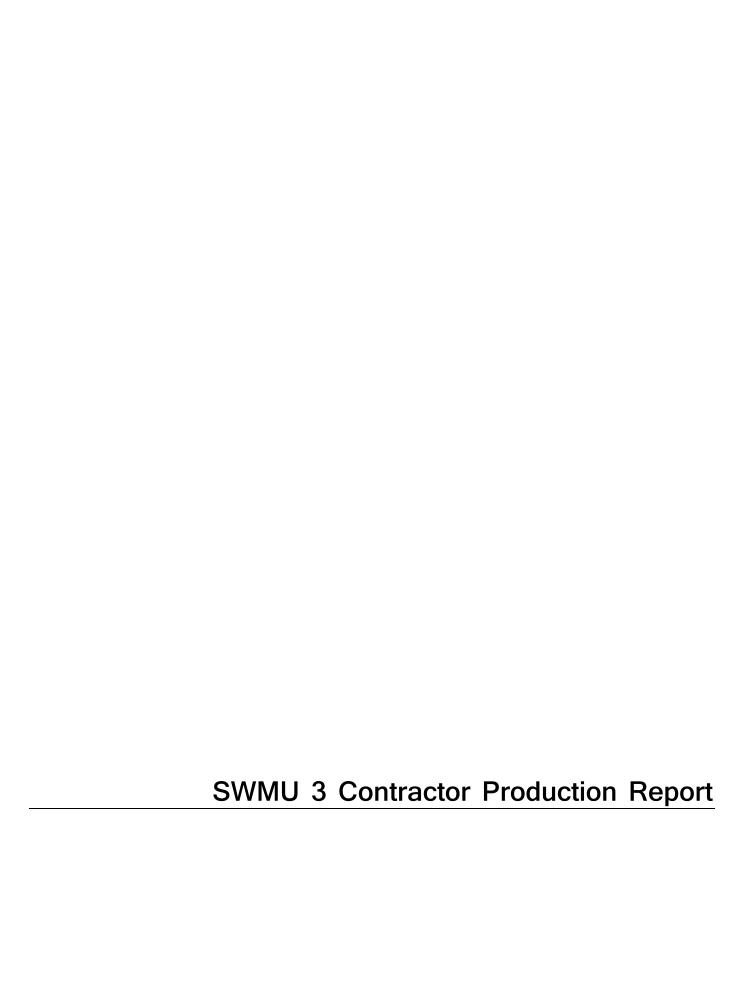
Instrument: JMICP2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	DL	LOD	LOQ	Method
7440-50-8	Copper	46.3	5	D	0.607	2.33	4.67	EPA 6010C
7439-92-1	Lead	27.0	5	D-	0.747	9.34	18.7	EPA 6010C
7440-02-0	Nickel	12.2	5	D	0.252	2.33	4.67	EPA 6010C
7440-31-5	Tin	2,34	5	JDB.	1.03	18.7	37.4	EPA 6010C
7440-66-6	Zinc	106	5.	D	1.40	4.67	9.34	EPA 6010C

MBL

Supplies





	CO	NTRACTOR PRODUCTIO			Monday	
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		2/18/201	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	123
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weld		DAYS WORKED	71
AM WEATHER		PM WEATHER	MAX TE	EMP (F)	MIN TEMP (F)	
Schedule	\/\/C	WORK P ORK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS
Activity No.	VVC	THE LOCATION AND DESCRIPTION	EWIPLOTER	NOWBER	TRADE	пко
1700	Started dredo	ging in bid option #1, in cell 16.	McLean	1	Superintendent	10.0
		gh the entire 100' X 100' cell and removed	McLean	1	QC Manager	10.0
	some from ce	ell 15. 937 yards total into barge SC136.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Mechanic	
			McLean	1	Electrican	
			McLean	1	Truck Driver	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	N DATES		TOTAL WORK HOURS ON JOB OF	
JOI	B	WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	·
SAFE	١	WEDE THERE AND LOCK THAT A COURTNIE	-0		THIS DATE< INCL CON'T SHEETS	70.00
JAI L	-''	WERE THERE ANY LOST TIME ACCIDENT	STHIS DATE?	☐ YES ✓ NO	OLIMAN ATIVE TOTAL OF MODIC	
WAS SPANE/MAN	LIFT/TDENIGLUA	(If YES attach copy of completed OSHA report)	JODY DONES	□	CUMULATIVE TOTAL OF WORK	0000 0
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	3923.0
•		ist showing inspection performed *Crane checklist to	•		TOTAL WORK HOURS FROM	3993.00
		L/WASTE RELEASED INTO THE ENVIRONM	IEN I ?	☐ YES ✓ NO	START OF CONSTRUCTION	3993.00
(If YES attach descript						
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	ECTIONS CONDUCTED)	SAFETY REQUIRE	
Activity No.					HAVE BEEN M	IET.
		ent checks of equipment prior to use as requir				
		fety huddle" held at beginning of day to discuss		ork to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Police	cies.			
EOLUDIAENT/AAA	TEDIAL DEGI	EN (ED TODA) (TO DE INICODDODATED IN I	00 (NIDIOATE 00) IED		ADED)	
EQUIPMENT/MA Schedule	•	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHED	ULE ACTIVITY NUN	/IBER)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Received SC141 barge delivered by: Challen	nger			
	1700	Received 30 141 barge delivered by. Challer	igei			
CONSTRUCTIO	N AND PLANT	TEQUIPMENT ON JOB SITE TODAY. INDIC	ATE HOURS USED AN	D SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used				Hours Used
Activity No.				,		
ŕ	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			David J.	Davio	2/18/2013	
						-
			CONTRACTOR/SU	JEKIN I ENDEN [DATE	

	CONTRACTOR PRODUCTION (PRODUCTION SHEET)	ON REPORT		Moi 2/18	nday /2013
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-7004				REPORT NO.	123
WORK PERFORM	WORK LOCATION AND DESCRIPTION	EMPLOYED	LAUMDED	TDADE	LIDO
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.		McLean			
			+		
			-		
			+		
			1		
	RSONNEL WORK HOURS IN THE WORK PERFOR			1	

	CO	NTRACTOR PRODUCTION REPORT	Monday	
		(EQUIPMENT SHEET)	2/18/2	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	123
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AN	ID SCHEDULE ACTIVITY NUMBER.	
Schedule	0	1	1 11 11 05	T
Activity No.	Owner McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A				
Schedule Activity No.	EQUIPMEN ⁻	T REMARKS	,	
INCLUDE AL	L PERSONNE	EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SH		
	RONT CONTE	RACTOR PRODUCTION REPORT	SHEET 3 OF 3	
COMPINED	OKIVI U 145U-	·J (3/30)	SHEEL 3 UF 3	

	CO	NTRACTOR PRODUCTION			Tuesday	
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		2/19/201:	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgir	ng		REPORT NO.	124
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Welde	on Diggs	DAYS WORKED	72
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
Schedule	\/\/C	WORK PI ORK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS
Activity No.		THE EGGATION AND DEGGKII THON	LIWIFLOTER	NOWBER	TRADE	TIKS
1700	Continued dr	edging in bid option #1, in cell 15.	McLean	1	Superintendent	10.0
		gh the entire 100' X 100' cell.	McLean	1	QC Manager	10.0
	Loaded 866 y	vards on the SC141	McLean	1	Crane Operator	10.0
	Maa a 4/2	of the way into call 45 when I was in formed	McLean	3	Deck Hands	30.0
		of the way into cell 15 when I was in formed s has change. Received the new xyz files	McLean McLean	1	Mechanic Electrican	
		file and install new matrix and lines to the	McLean	1	Truck Driver	
	computer	ine and install new matrix and lines to the	McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	·
JOI SAFE	١				THIS DATE< INCL CON'T SHEETS	70.00
SAFE		WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO	OLIMAN ATIVE TOTAL OF MODIC	
MAS CDANE/MAN	LIET/TDENICHIN	_(If YES attach copy of completed OSHA report) NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	IODK DONES	✓ YES NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS RPT	3993.0
		ist showing inspection performed *Crane checklist to		☐ YES☐ NO	TOTAL WORK HOURS FROM	3993.0
•		L/WASTE RELEASED INTO THE ENVIRONM		YES NO	START OF CONSTRUCTION	4063.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.		TO THE TOTAL TOTAL ETT INCIDE	OTIONO CONDUCTED		HAVE BEEN M	
,	Daily equipm	ent checks of equipment prior to use as require	ed.			
	Pre work "saf	fety huddle" held at beginning of day to discuss	s potential hazards in wo	ork to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Polic	cies.			
EQUIPMENT/MA Schedule		EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHED)	ULE ACTIVITY NUM	(IBER)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Received SC135 barge delivered by: Challen	ger			
		l	9			
	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA			VITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	lodel)		Hours Used
Activity No.	Malaan	Walden Dinne Twist (D2441)				40
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10 10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			A -11	Daguis		
			Ravid J.		2/19/2013	_
			CONTRACTOR/SU	PERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)			Tuesday 2/19/2013		
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-700				REPORT NO.	124
WORK PERFOR	MED TODAY	EMBLOVED	LAUMADED	TD.4.DE	LIBO
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.		McLean			
<u> </u>					
					
 					
					+
INIOLUBE ALL DI	ERSONNEL WORK HOURS IN THE WORK PERFOR	MED OFOTION ON THIS O	LIEET		

	CON	NTRACTOR PRODUCTION REPORT	Tuesday	
		(EQUIPMENT SHEET)	2/19/2013	
CONTRACT N	10	TITLE AND LOCATION		
N40085-12-C-	7004		REPORT NO.	124
	ION AND PLA	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	
Schedule				
Activity No.	Owner McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A				
N/A				
·				
Schedule Activity No.	EQUIPMENT	REMARKS		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CO	NTRACTOR PRODUCTIO	N REPORT		Wednesda	•
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		2/20/2013	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	125
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weld	on Diggs	DAYS WORKED	73
AM WEATHER		PM WEATHER	MAX TE	EMP (F)	MIN TEMP (F)	
Schedule	I \\(\(\alpha\)	WORK P ORK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS
Activity No.	VVC	ORK LOCATION AND DESCRIPTION	EWIPLOTER	NUMBER	IRADE	пко
1700	Continued dr	edging in bid option #1, in cell 10.	McLean	1	Superintendent	10.0
		gh the entire 100' X 100' cell.	McLean	1	QC Manager	10.0
	Loaded 951 y	yards on the SC135.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Mechanic	
			McLean	1	Electrican	
			McLean	1	Truck Driver	
			McLean	1	Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		IWAS A JOB SAFETY MEETING HELD THIS	L SDATE2		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOI	R	WAS A SOB SAFETT MEETING HELD THIS	DAIL:	✓ YES NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	١	WERE THERE ANY LOST TIME ACCIDENT	C THIS DATES		THIS DATE< INCL CONT SHEETS	70.00
JAI L		(If YES attach copy of completed OSHA report)	S INIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
MAS CDANE/MAN	I IET/TDENICUIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	IODK DONES	✓ YES NO	HOURS FROM PREVIOUS RPT	4063.0
		ist showing inspection performed *Crane checklist to		✓ YES NO	TOTAL WORK HOURS FROM	4003.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	4133.00
(If YES attach descript				☐ YES VIO	START OF CONSTRUCTION	4100.00
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.	Daily aguinm	ent checks of equipment prior to use as requir	ad		HAVE BEEN M	IEI.
		fety huddle" held at beginning of day to discuss s held a job Safety Meeting on our Safety Polic		ork to be performed.		
	weldon bigg:	s neid a job Safety Meeting on our Safety Polic	des.			
FOLIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHED	LILE ACTIVITY NUM	(BER)	
Schedule		Description of Equipment/Material Received	OB (III DIO/II E CONED	OLL MOTIVITITION	iibEi()	
Activity No.						
	1700	Received SC142 barge delivered by: Challen	iger			
		·				
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDIC.	ATE HOURS USED AN	D SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	lodel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10 10
	McLean McLean	BU85 (Enviro Bucket) WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	3540 (Jack Boat)				10
Activity No.	KEWAKKO					
The state of the s	Pete Fovargu	ue and Brian Peed came on site 3:00pm today.				
	, i	, ,				
	<u> </u>					
	<u> </u>					
	<u> </u>			0		
			David J.	Navio	2/20/2013	
			CONTRACTOR/SU		DATE	-
	•					

	CONTRACTOR PRODUCTION (PRODUCTION SHEET)	JN REPORT		Wedne 2/20/2	esday 2013	
ONTRACT NO	TITLE AND LOCATION			REPORT NO.		
40085-12-C-7004	085-12-C-7004 RK PERFORMED TODAY					
	roday		•			
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
					+	
					+	
					+	
+				1		
					1	
						
					1	
					+	
					1	
					+	
					+	
					+	
+				1		
					†	
				1	1	

	CO	NTRACTOR PRODUCTION REPORT	Wednesday	
	20.	(EQUIPMENT SHEET)	2/20/2013	
CONTRACT	VO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	125
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED	AND SCHEDULE ACTIVITY NUMBER.	
Schedule		<u></u>		
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A N/A	McLean McLean	+		<u> </u>
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			ı
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A				
N/A				
Schedule	EQUIPMEN ^T	I TREMARKS		<u> </u>
Activity No.	Egon WEIV			
INCLUDE AL	L PERSONNE	EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS	SHEET	
INTO THE FR		RACTOR PRODUCTION REPORT	SHEET 3 OF 3	
OCIVIDINED F	OINW 01450-	J (J/JJ)	SHEEL S OF S	

	CON	NTRACTOR PRODUCTIO			Thursda	₹
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		2/21/201	3
CONTRACT NO		TITLE AND LOCATION				100
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	126
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weld		DAYS WORKED	74
AM WEATHER		PM WEATHER	MAX TE	EMP (F)	MIN TEMP (F)	
		WORK E	PERFORMED TODAY			
Schedule	WC	PRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.						
1700		edging in bid option #1, in cell 7.	McLean	1	Superintendent	11.5
		gh 100' X 100' cell but not completed.	McLean	1	QC Manager	11.5
	Loaded 930 y	vards on the SC142	McLean	1	Crane Operator	11.5
	Worked late t	to get the barge filled and moved away	McLean McLean	3	Deck Hands Mechanic	32.5
	from the mari		McLean	1	Electrican	
	nom the man	Tiu Tiu	McLean	1	Truck Driver	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	11.5
JOI		WAS A JOB SAFETY MEETING HELD THIS	SDATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
SAFE		WERE THERE AND LOCK THE ACCURENT	FO TI 110 DATES		THIS DATE< INCL CON'T SHEETS	78.50
SAI L	'''	WERE THERE ANY LOST TIME ACCIDENT	IS THIS DATE?	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIET/TRENCHIN	If YES attach copy of completed OSHA report) NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V	NOBK DONES	✓ YES □ NO	HOURS FROM PREVIOUS RPT	4133.0
		ist showing inspection performed *Crane checklist t		i ils ino	TOTAL WORK HOURS FROM	4133.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	4211.50
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule		TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED	1	SAFETY REQUIRE	MENTS
Activity No.	LIOTOALL	TACTIONS TAILEN TODATION ETT INGLE	LOTIONO GONDOGTED	,	HAVE BEEN M	
,	Daily equipme	ent checks of equipment prior to use as requir	red.			
	Pre work "saf	ety huddle" held at beginning of day to discus	s potential hazards in wo	ork to be performed.		
		s held a job Safety Meeting on our Safety Poli				
	•	EIVED TODAY TO BE INCORPORATED IN J	IOB (INDICATE SCHED	ULE ACTIVITY NUM	MBER)	
Schedule Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	No barges delivered				
	1700	The banged delivered				
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDIC	ATE HOURS USED AN	D SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	I Today (incl Make and M	Model)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.	\\/:	Manaday and the beauty noteting and not consider				
	vviii not work	Monday so the barge rotation can get caught	up.			
			Parid J.	Navio	2/21/2013	_
			CONTRACTOR/SU	IPERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)			Thursday 2/21/2013		
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-7004				REPORT NO.	126
WORK PERFORME	ED TODAY	FMDI OVED	LAUMBER	TD. DE	1100
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
ACTIVITY NO.		McLean			
			+		
	<u> </u>				
				1	
-			+		
				1	
				1	
				1	
			_	1	
				+	
				1	
	SONNEL WORK HOURS IN THE WORK PERFORI			ı	

	CO	NTRACTOR PRODUCTION REPORT	Thursday	
		(EQUIPMENT SHEET)	2/21/2013	
CONTRACT	VO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	126
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A	ND SCHEDULE ACTIVITY NUMBER.	
Schedule				·
Activity No.	Owner McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			_
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			1
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A N/A				
N/A				
Schedule Activity No.	EQUIPMENT	T REMARKS		1
ACTIVITY INC.				
		EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	SHEET	
	ONT CONTROPERSON CONTROPERSON CONTROL	RACTOR PRODUCTION REPORT 3 (9/98)	SHEET 3 OF 3	

	COI	NTRACTOR PRODUCTION	N REPORT		Tuesday	
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		2/26/201	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	131
CONTRACTOR		Mal oan Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weldo	n Diggs	DAYS WORKED	75
AM WEATHER		PM WEATHER	MAX TEI		MIN TEMP (F)	
		Rainy				
			ERFORMED TODAY		1	
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No. 1700	Continued dr	edging in bid option #1, finished in cell 7.	McLean	1	Superintendent	10.0
1700		ging in cells 5 and 6. Dredging was slow	McLean	1	QC Manager	10.0
		6 because we hitting sand. Moved ahead	McLean	1	Crane Operator	10.0
		and 6. And started dredging in cell #4.	McLean	3	Deck Hands	30.0
		tle in cell #3 also.	McLean	1	Mechanic	
		ards in SC136.	McLean	1	Electrican	
			McLean	1	Truck Driver	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
12.		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
JOI	١				THIS DATE< INCL CON'T SHEETS	70.00
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4211.5
(If YES attach state	ement or checkli	ist showing inspection performed *Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	4281.50
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as require	ed.			
	Pre work "saf	fety huddle" held at beginning of day to discuss	s potential hazards in wor	rk to be performed.		
		s held a job Safety Meeting on our Safety Police				
	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDU	JLE ACTIVITY NUM	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	SC 141 delivered today and sc136 was delive	ered over the weekend.			
	<u> </u>					
	•	EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	L 112
Schedule	Owner	Description of Construction Equipment Used	loday (incliviake and ivid	odei)		Hours Used
Activity No.	Malaan	Wolden Diggs Truck (D2441)				10
	McLean	Weldon Diggs Truck (P344L)				10
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	(5.5.5.)				
Activity No.						
•						
	<u> </u>					
				~		
			David J. A	Vario	2/26/2013	
			CONTRACTOR/SUF	PERINTENDENT	DATE	_

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)				Tuesday 2/26/2013	
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-7004				REPORT NO.	131
WORK PERFORME	ED TODAY	FMDI OVED	LAUMBER	TD.4.DE	1100
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity 140.		McLean			
 				-	
			+	+	
———				+	
 			+	+	
				+	
 			+	†	
				1	
				<u> </u>	
INCLUDE ALL DED	SONNEL WORK HOURS IN THE WORK PERFORM	MED SECTION ON THIS S	HEET		

	CON	NTRACTOR PRODUCTION REPORT	Tuesday	
		(EQUIPMENT SHEET)	2/26/2013	
CONTRACT N	10	TITLE AND LOCATION		
N40085-12-C-			REPORT NO.	131
	ION AND PLA	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	
Schedule Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean		Hours on Job Site	Hours in ose
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			T
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A				
N/A N/A				
N/A				
N/A				
N/A				
0.1	EOLUBRATION I	DEMAD(O		
	EQUIPMENT	KEMAKKS		
Activity No.				
INCLUDE ALL	DERSONNE	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		ACTOR PRODUCTION REPORT		

	CON	NTRACTOR PRODUCTION	N REPORT		Wednesda	•
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		2/27/2013	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgir	ng		REPORT NO.	132
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weldo	n Diggs	DAYS WORKED	76
AM WEATHER		PM WEATHER	MAX TEN	MP (F)	MIN TEMP (F)	
		Rainy				
	1 14/0		ERFORMED TODAY	T	T	
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No. 1700	Continued dre	edging in bid option #1, started dredging in	McLean	2	Superintendent	13.0
1700		ed in area for 4 hours and only removed 200	McLean	1	QC Manager	10.0
		erial. Asked permission to use a 7yard clam	McLean	1	Crane Operator	10.0
		if that would give us more material. While	McLean	3	Deck Hands	30.0
	waiting for an	answer we relocated to cell 13 and will start	McLean	1	Mechanic	
	dredging in th	ne mourning. SC136 barge went up to shirley	McLean	1	Electrican	
	Plantation.		McLean	1	Truck Driver	
	200 yards wa	s placed in the SC141 barge	McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	·
JOI	1				THIS DATE< INCL CON'T SHEETS	73.00
SAFE	:14	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	4211.5
•		st showing inspection performed *Crane checklist to	=		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONMI	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	4284.50
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	IET.
	Daily equipme	ent checks of equipment prior to use as require	ed.			
		fety huddle" held at beginning of day to discuss		k to be performed.		
	Weldon Digg:	s held a job Safety Meeting on our Safety Polic	ies.			
	•	EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDU	ILE ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	no barges delivered.				
	1700	no barges delivered.				
CONSTRUCTION	I N AND PLANT	I EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER	
Schedule	Owner	Description of Construction Equipment Used			WITT TOMBET	Hours Used
Activity No.		4.1		,		
ŕ	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.	T	MI 0 : 1 1 0 : 1 1 1 1		,		
	ıım Anders (Mclean Superintendant) came on site to install	updates on the hypack s	sortware		
			David J. R	Danies	0/07/0040	
					2/27/2013	-
			CONTRACTOR/SUP	'ERIN I'ENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Wednesday 2/27/2013	
CONTRACT NO	TITLE AND LOCATION					
N40085-12-C-700				REPORT NO.	132	
WORK PERFORM	MED TODAY					
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
Addivity 140.		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
			+			
				1		
			_	1		
				1		
				1	+	
			+			
			+			
				1		
				1		
			_	1		
 						
ı İ	RSONNEL WORK HOURS IN THE WORK PERFOR					

	CO	NTRACTOR PRODUCTION REPORT	Wednesday	
		(EQUIPMENT SHEET)	2/27/2013	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	132
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A	AND SCHEDULE ACTIVITY NUMBER.	
Schedule		<u></u>		
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A N/A	McLean McLean	+		<u> </u>
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			ı
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A		+		
N/A				
Schedule	EQUIPMEN ⁻	T REMARKS		ı
Activity No.				
	-			
	 			
		EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	SHEET	
		RACTOR PRODUCTION REPORT	OUEET 0.05 o	
COMBINED F	-UKIVI U1450-	·3 (9/90)	SHEET 3 OF 3	

	CON	Thursday 2/28/2013				
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		2/28/2013	3
CONTRACT NO		TITLE AND LOCATION				400
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	133
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		Well-eart Contracting Company	Carl Weldon	Diggs	DAYS WORKED	77
AM WEATHER		PM WEATHER	MAX TEM	IP (F)	MIN TEMP (F)	
		Rainy				
Schedule	I W/O	WORK PE ORK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS
Activity No.	, vv	THE ECOATION AND DESCRIPTION	EWIPLOTER	NOWBER	TRADE	пко
1700	Continued dre	edging in bid option #1, started dredging in	McLean	1	Superintendent	10.0
		ved 8000 square feet out of an area of 10,000	McLean	1	QC Manager	10.0
	square feet.P	Placed 1164 yards into the SC141 barge.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Mechanic	
			McLean	1	Electrican	
			McLean	1	Truck Driver	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		TWAS A JOB CASETY MEETING HELD THIS	DATES			
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	,
JOI SAFE	١				THIS DATE< INCL CON'T SHEETS	70.00
SAFE		WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	4284.0
•		ist showing inspection performed *Crane checklist to	•		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	4354.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	ET.
	Daily equipme	ent checks of equipment prior to use as require	d.			
		fety huddle" held at beginning of day to discuss		to be performed.		
	Weldon Digg:	s held a job Safety Meeting on our Safety Polici	es.			
	•	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDUL	E ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.	4700	Oc 405 haara will be delicered to sight by Too	Ob all and an			
	1700	Sc 135 barge will be delivered tonight by Tug	Challenger.			
CONSTRUCTION	I AND DI ANT	<u>I</u> FEQUIPMENT ON JOB SITE TODAY. INDICA	TE HOUDS LISED AND	SCHEDIII E ACTI	IV/ITV NII IMPED	
Schedule	Owner	Description of Construction Equipment Used			IVII I NUIVIDER.	Hours Used
Activity No.	Owner	Description of Construction Equipment Osed	Today (ITICI Wake and Wo	uei)		Tiours Osea
Activity 140.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
	Stiil waiting o	n a decision about using the clam shell bucket.				
			A -116	\ <i>t</i>		
			David J. R	iavo	2/28/2013	<u>-</u>
			CONTRACTOR/SUPI	ERINTENDENT	DATE	

	CONTRACTOR PRODUC (PRODUCTION SHEE	Thursday 2/28/2013			
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-700				REPORT NO.	133
WORK PERFOR	MED TODAY				
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.		McLean	+		
		McLean			
			+		
 					
 					
			+		
			_		
			+		
 					
 					
 			+		
					
 					
 					
 			+		
<u> </u>	ERSONNEL WORK HOURS IN THE WORK PERF			I	

	CO	NTRACTOR PRODUCTION REPORT	Thursday	
		(EQUIPMENT SHEET)	2/28/2013	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	133
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A	ND SCHEDULE ACTIVITY NUMBER.	
Schedule				•
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			_
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			1
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A N/A				
N/A				
Schedule Activity No.	EQUIPMENT	T REMARKS		
7 todayity 140.				
		EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	SHEET	
INTO THE FR		RACTOR PRODUCTION REPORT	SHEET 3 OF 3	
COMPUNED	O 1 111 O 1400-	~ (o, oo,	OHLLE JOE J	

	CON	Friday 3/1/2013				
CONTRACT NO		(ATTACH ADDITIONAL SHEETS IF NECO	526/11(1)		020.0	
N40085-12-C-70	04	Little Creek Maintence Dredgin	na		REPORT NO.	134
CONTRACTOR		<u> </u>	SUPERINTENDENT			
CONTRACTOR		McLean Contracting Company	Carl Weldo	on Diggs	DAYS WORKED	78
AM WEATHER		PM WEATHER		EMP (F)	MIN TEMP (F)	70
7		i iii ii e ii e ii e ii e ii e ii e ii	iw ot 12	(,)	(1)	
			ERFORMED TODAY			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No. 1700	Continued dre	edging in bid option #1, finished dredging in	McLean	1	Superintendent	10.0
1700	Cell # 13. Mo	ved to cell #11. Removed 176 yards from	McLean	1	QC Manager	10.0
	13 and remov	ved 729 from 11. Placed a total of 905 yards	McLean	1	Crane Operator	10.0
	into th SC135	barge.	McLean	3	Deck Hands	30.0
			McLean	1	Mechanic	
			McLean	2	Electrican	4.0
			McLean	1	Truck Driver	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	A Company of the Comp				THIS DATE< INCL CON'T SHEETS	74.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	" NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4354.0
		st showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM	
•		L/WASTE RELEASED INTO THE ENVIRONM	•	YES NO	START OF CONSTRUCTION	4428.00
(If YES attach descripti						
			0710110 00110110750		0.45577.0507.05	
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CHONS CONDUCTED		SAFETY REQUIRE	
Activity No.	D-11		- d		HAVE BEEN M	EI.
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		ork to be performed.		
	Weldon Digg:	s held a job Safety Meeting on our Safety Police	cies.			
=0.05.45.15.44			OD (INIDIOATE OOLIED)	=	1D=D)	
		EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDI	ULE ACTIVITY NUN	/IBER)	
	Submittal #	Description of Equipment/Material Received				
Activity No.	4700					
	1700					
CONCEDUCTION	NI ANID DI ANIT	FOUNDMENT ON HOD OUTS TODAY, INDIO	ATE HOUDO HOED AND	D OOLIEDUILE AOT	IV/ITV/ NII IMPED	
		EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	l
Schedule	Owner	Description of Construction Equipment Used	roday (inci wake and iv	iodei)		Hours Used
Activity No.	Malasa	Woldon Diggo Truck (D244L)				10
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean MoLean	WB39 (Work Boat)				10
Schedule	McLean	JB46 (Jack boat)				10
	REMARKS					
Activity No.	Electricope of	ama out to fix hooter in the work hoot				
		ame out to fix heater in the work boat.				
	vvnile dred	ging today, found an old anchor.				
			David J. 1	Doguio	0/4/0040	
					3/1/2013	<u>-</u>
			CONTRACTOR/SU	PERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Fri 3/1/	Friday 3/1/2013	
CONTRACT NO)	TITLE AND LOCATION					
N40085-12-C-70					REPORT NO.	134	
WORK PERFOR	RMED TO	DAY					
Schedule Activity No.	W	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
Activity No.			McLean				
			McLean				
			McLean				
			McLean				
			McLean				
 							
							
 							
 							
 							
<u> </u>		-					
 							
<i>i</i> 1		EL WORK HOURS IN THE WORK PERFORM			I		

	CON	NTRACTOR PRODUCTION REPORT	Friday	
		(EQUIPMENT SHEET)	3/1/2013	
CONTRACT N	10	TITLE AND LOCATION		
N40085-12-C-			REPORT NO.	134
	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	
Schedule	Owner		Hours on Joh Cito	House In Hoo
Activity No.	McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			7
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			I
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A				
N/A				
Schedule Activity No.	EQUIPMENT	REMARKS		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

CONTRACT NO TITLE AND LOCATION NOBSELES IN PECCESARY) MORK LOCATION MCLEAR CONTROLLED PROGRAM MORK LOCATION MCLEAR CONTROLLED PROGRAM MORK PERFORMED TODAY MW REATHER MORK PERFORMED TODAY MORK	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)					Monday 3/4/2013	
Mode Contractor Contracting Company Superintendent Cod Weldon Diggs DAYS WORKED 79			,	ESARY)		3/4/2013	· · · · · · · · · · · · · · · · · · ·
CONTRACTOR McLean Contracting Company SuperintenDent Carl Weldon Diggs DAYS WORKED 79 MM YEATHER PM WEATHER PM WEATHER WORK PERFORMED TODAY EMPLOYER NUMBER TRADE TRADE HRS Schedule Activity No. 1700 Continued dredging in bid option #1, finished dredging in 100. Cell # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. Gall # 11 Mayord to cell #8. Removed 289 yrus's from cell 100. McLean 11 Avao Contruction Manager 1.0 WEALAND 11 Avao Contruction Disperiment User 2 Avao Schedule 10 Avao Contruction Manager 1.0 WEALAND 10 Avao Contruction Manager 1.0 10 Avai Contruction Manager 1.0				_		DEDORT NO	407
MAX TEMP (F) MAY T	N40085-12-C-700	04	Little creek Maintence Dreaging	Ī		REPORT NO.	137
AM WEATHER PM WEATHER PM WEATHER PM WEATHER PM WEATHER PM PM WEATHER PM PM WEATHER PM	CONTRACTOR		McLean Contracting Company				
Schedule WORK LOCATION AND DESCRIPTION Schedule WORK LOCATION AND DESCRIPTION EMPLOYER NUMBER TRADE HRS Activity No. 1700 Continued drindinging in bid option #1, finished diredging in McLean 1 Superintendent 1 OC Manager 10.0 9 and removed 748 from cell *1, finished diredging in McLean 1 OC Manager 10.0 9 and removed 748 from cell *1, finished diredging in McLean 1 OC Manager 10.0 10 on the SC142 barge. McLean 1 OC Manager 10.0 WAS LABOR McLean 1 OC Manager 10.0 WAS LABOR McLean 1 OC Manager 10.0 McLean 1 OC McLean 1 OC Manager 10.0 McLean 1 OC McL							79
Schedule MORK LOCATION AND DESCRIPTION EMPLOYER NUMBER TRADE HRS Activity No. 4700 Continued dredging in bid option #1, finished dredging in Michaen 1 Common and the Commo	AM WEATHER		PM WEATHER	MAX IEN	ИР (F)	MIN TEMP (F)	
Activity No. Activity No. Continued dredging in bid option #1, finehold dredging in McLean 1 Superintendent 10.0			WORK PE	RFORMED TODAY			
1700 Continued dredging in bid opinion #1, finished dredging in 100 Coll #1 1, Moved to coll #3, Removed 228 yards from cell 10.0 MoLean 1 Crane Operator 10.0		WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Sand removed 746 from cell 11. Placed a total of 1028 yard McLean 1 Crane Operator 10.0 McLean 3 Deck Hands 30.0 McLean 3 Deck Hands 30.0 McLean 1 Salety Director 1.0 McLean 2 Electrican McLean 2 Electrican McLean 1 Area Contruction Manager 1.0 McLean 1 McLean 1 Engineer 1.0 McLean 1.0 McLe	•	Continued dre	edging in bid option #1, finished dredging in	McLean	1	Superintendent	10.0
into the SC142 barge. MicLean					•		
Missean 2 2 Electrican Missean 1 1 Area Controction Manager 1.0 Missean 1 1 Area Controction Manager 1.0 Missean 1 1 Area Controction Manager 1.0 Missean 1 1 Acquaits Controction Manager 1.0 Missean 1 1 Engineer Missean 1 Engineer Missean 1 1 Engineer Missean 2 Engineer Miss			•				
MicLean 1 1 Area Controllon Manager 1.0 MicLean 1 1 Area Controllon Manager 1.0 MicLean 1 1 Area Controllon Manager 1.0 MicLean 1 1 Modelson 1 1 Engineer 1 CH2M HILL 1 1 Aquatic Scientist 10.0 JOB SAFETY MEETING HELD THIS DATE? WAS A JOB SAFETY MEETING HELD THIS DATE? WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? WAS GRANEMANLET/TENDH-INDS/SAFCD-IDMY ELECTIOH WORK HAZMAT WORK DONE? WAS GRANEMANLET/TENDH-INDS/SAFCD-IDMY ELECTIOH WORK HAZMAT WORK DONE? WAS HAZARDON SMATERIALANSET RELEASED INTO THE ENVIRONMENT? GIVES attach statement or checklet showing inspection performed. "Canne checklets to be attached weekly. WAS HAZARDON SMATERIALANSET RELEASED INTO THE ENVIRONMENT? GIVES attach statement or checklet showing inspection performed state that the state of proposal attach. Schedule Activity No. Daily equipment checks of equipment prior to use as required. Waldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MEETING AREA (Park Proposal attached weekly). Was burnished before the close of equipment prior to use as required. Waldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MEETING AREA (Park Proposal attached weekly). Was burnished before the close of equipment prior to use as required. Waldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MEETING AREA (Park Proposal attached weekly). Was burnished before the close of equipment prior to use as required. Waldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MEETING AREA (Park Proposal attached weekly). Was burnished before the close of equipment prior to use as required. Waldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MEETING AREA (Park Proposal attached weekly). Was attach description of Equipment Prior to Use as a required. Was attached weekly. Was attached weekly. Was attached weekly. Activity No. Safety Policies. Edulation Area Controlled Meeting on our Safety Policies. EQUIPMENT/MEETING AREA (Park Proposal Attached Prop		into the SC14	2 barge.				
MdLean 1 Area Contruction Manager 1.0 MdLean 1 Area Contruction Manager 1.0 MdLean 1 Melder Melder MdLean 1 Melder Melder MdLean 1 Engineer MdLean 1 Engineer MdLean 1 Aquatic Scientist 10.0 MdLean MdLean 2 Ves No MdLean 2 Ves Mdlean 2 Ves No MdLean 2 Ves Mdlea							1.0
McLean 1 Engineer Engineer CH2M HILL 1 Aquatic Scientist 10.0 MCLean 1							4.0
MAS A JOB SAFETY MEETING HELD THIS DATE? WAS A JOB SAFETY MEETING HELD THIS DATE? WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? WAS CRAMEMANLIFT/TREDCHING/SCAFFOLDHY ELEC/HIGH WORK! HAZARD WORK DONE? WAS CRAMEMANLIFT/TREDCHING TO FALL WORK HAZARD HAZARD WORK HA						-	1.0
WAS A JOB SAFETY MEETING HELD THIS DATE? JOB SAFETY WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? WAS HAZARDOUS MATERIAL WAS TERRILEDATED THE ACCIDENTS THIS DATE? WAS HAZARDOUS MATERIAL WAS TERRILEDATED THE ENVIRONMENT? WAS HAZARDOUS MATERIAL WAS TERRILEDATED THE ENVIRONMENT? WERE SHARK HOURS FROM SAFETY REQUIREMENTS ACTIVITY NO. Daily equipment checks of equipment prior to use as required. Pre voit's Safety hoddle' held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs field a job Safety Meeting on our Safety Policies. EQUIPMENT.MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. TOTAL WORK HOURS FROM TOTAL WORK HOURS SCIENCING TO ACCIDENT TO ACCIDE							
WAS A JOB SAFETY MEETING HELD THIS DATE? WERE THERE ANY LOST TIME ACCIDENTS THE ACCIDENTS THE DATE. WERE THERE ANY LOST TIME ACCIDENTS THE ACCIDENTS THE DATE ACCIDENTS THE DATE. WERE THERE ANY LOST TIME ACCIDENTS THE DATE. THIS DATE THE DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE TOTAL OF WORK THE DATE. THIS DATE THAN LOCAL THE DATE. THIS DATE THAN LOCAL THE DATE. THIS DATE THAN LOCAL THE THIS DATE. THIS DA						<u> </u>	40.0
SAFETY WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? If YES altach capy of compineted OSHA report) WAS GRANE/MANILEFT/RENCHING/SCAFFOLDHY ELECHIFICH WORK (HAZMAT WORK DONE? WAS GRANE/MANILEFT/RENCHING/SCAFFOLDHY ELECHIFICH WORK (HAZMAT WORK DONE? WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? WAS GRANE/MANILEFT/RENCHING/SCAFFOLDHY STAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Activity No. Daily equipment checks of equipment prior to use as required. Pre work 'safety huddie' held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David David Pavid (P348L) McLean David David (P348L) McLean David David (P348L) McLean David David (P348L) McLean David David (P388L) McLean David David (P388L) McLean David (P388L) McLea				CH2M HILL	1	Aquatic Scientist	10.0
SAFETY WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? If YES altach capy of compineted OSHA report) WAS GRANE/MANILEFT/RENCHING/SCAFFOLDHY ELECHIFICH WORK (HAZMAT WORK DONE? WAS GRANE/MANILEFT/RENCHING/SCAFFOLDHY ELECHIFICH WORK (HAZMAT WORK DONE? WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? WAS GRANE/MANILEFT/RENCHING/SCAFFOLDHY STAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Activity No. Daily equipment checks of equipment prior to use as required. Pre work 'safety huddie' held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David David Pavid (P348L) McLean David David (P348L) McLean David David (P348L) McLean David David (P348L) McLean David David (P388L) McLean David David (P388L) McLean David (P388L) McLea			WAS A JOB SAFETY MEETING LIFED THIS	DATES		TOTAL WORK HOURS ON JOB OF	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? If YES attach copy of completed 05H4 Report) WAS GRANE/MANLIFT/TRENDHINGS/GAFFOLDHY LECH/IGHU WORK HZMAT WORK DONE? WAS GRANE/MANLIFT/TRENDHINGS/GAFFOLDHY LECH/IGHU WORK HZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed. "Crane checklist to be attached weekly. WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? Schedule Activity No. Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Description of Construction Equipment Used Today (Incl Make and Model) McLean Description of Construction Equipment Used Today (Incl Make and Model) McLean David David David (P334L) 10 McLean Weldon Diggs Truck (P344L) 10 McLean Bust (P348L) McLean Bust (P348L	IO		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO		
Activity No. CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS used Model) 10	. <i>1</i>					THIS DATE< INCL CON'T SHEETS	72.00
WAS CRANEIMANLIFTTRENCHINGSCAFFOLDHY ELECHIGH WORK HAZWAT WORK DONE? (If YES attach statement or checkist showing inspection performed "Crane checkist to be attached weekly." WAS HAZARDOUS MATERIALWASTE RELEASED INTO THE ENVIRONMENT? Schedule Activity No. LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED Activity No. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean McLean Description of Construction Equipment Used Today (incl Make and Model) McLean David David Passes Schedule Activity No. McLean Bu85 (Enviro Bucket) McLean Bu86 (Enviro Bucket) McLean JB46 (Jack boat) MCLean JB46 (Jack b	JAI L	.'' /		STHIS DATE?	YES_✓ NO		
(If YES attach statement or checklist showing inspection performed "Crane checklist to be attached weekly. WAS HAZARDOUS MATERIAL WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.) Schedule Activity No. Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDIGATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDIGATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David Davis (P338L) McLean CORTICATION ON BURSH EQUIPMENT ON JOB SITE TODAY. INDIGATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David Davis (P338L) 10 McLean SC130 (barge under the crane) McLean SC130 (barge under the crane) McLean David Davis (P338L) 10 McLean SC130 (barge under the crane) McLean David Davis (P338L) 10 McLean Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.	14/40 OB ANE (14/4)	. IET EDELIGI		ODI/ BONES			1100.0
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? YES] attach description of incident and proposed action.					✓ YES NO		4428.0
Schedule Activity No. Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Weldon Diggs Truck (P344L) McLean Weldon Diggs Truck (P344L) McLean Sc130 (barge under the crane) McLean Sc130 (barge under the crane) McLean UBJ85 (Enviro Bucket) McLean UBJ85 (Enviro Bucket) McLean JB46 (Jack boat) Schedule Activity No. Amaid 3. Maxs 3/4/2013	•		• •	·			
Schedule Activity No. Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David Davis (P338L) McLean David Davis (P338L) McLean CC87(127Ton Lima) McLean SC130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean BU85 (Givine Buset) McLean JU839 (Work Boat) Schedule Activity No. Schedule Activity No. Schedule Activity No. McLean JU839 (Work Boat) McLean JU84 (Jack boat) McLean JU85 (Firotio Bucket) McLean JU86 (Alack boat) McLean JU86 (Alack boat) McLean JU87 (Brown Buset) McLean JU88 (Firotio Bucket) Mc	WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	YES.✓ NO	START OF CONSTRUCTION	4500.00
Activity No. Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David Davis (P338L) McLean David Davis (P338L) McLean CC87(127Ton Lima) McLean CS130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean Wissy Work Boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.	(If YES attach descripti	ion of incident and	proposed action.)				
Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Description of Construction Equipment Used Today (incl Make and Model) McLean David Davis (P338L) McLean David Davis (P338L) McLean Sc130 (barge under the crane) McLean BUBS (Enviro Bucket) McLean BUBS (Enviro Bucket) McLean JB46 (Jack boat) REMARKS Activity No. Activity No. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.		LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED			
Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean David Davis (P338L) McLean Weldon Diggs Truck (P344L) McLean Co287(127Ton Lima) McLean Co287(127Ton Lima) McLean Weldon Diggs under the crane) McLean WB16 (Jack boat) McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Activity No. Activity No. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Activity No	,	Daily equipme	ent checks of equipment prior to use as require	ed.			
Weldon Diggs held a job Safety Meeting on our Safety Policies. EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Description of Construction Equipment Used Today (incl Make and Model) Hours Used Activity No. McLean David Davis (P338L) 10 McLean David Davis (P338L) 10 McLean Sc130 (barge under the crane) 10 McLean BU85 (Enviro Bucket) 10 McLean WB39 (Work Boat) 10 McLean UB46 (Jack boat) 10 Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.					k to be performed.		
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Weldon Diggs Truck (P344L) McLean David Davis (P338L) McLean David Davis (P338L) McLean CC37(127Ton Lima) McLean Sc130 (barge under the crane) McLean WB39 (Work Boat) McLean UB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Material David Davis (P338L) Material Davis (P338L) Material David Davis (P338L) Material David Davis (P338L) Material Paterial Paterial Received Material Paterial Pater					it to be performed.		
Schedule Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger 1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Description of Construction Equipment Used Today (incl Make and Model) Hours Used Activity No. McLean David Davis (P338L) 10 McLean David Davis (P338L) 10 McLean Sc130 (barge under the crane) 10 McLean SU85 (Enviro Bucket) 10 McLean M839 (Work Boat) 10 Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. David J. Davis 3/4/2013		i i i i i i i i i i i i i i i i i i i	- · · · · · · · · · · · · · · · · · · ·				
Activity No. 1700 Sc142 barge delivered over the weekend by the Challenger 1700 Sc142 barge delivered over the weekend by the Challenger 1700 Sc142 barge delivered over the weekend by the Challenger 1700 Sc142 barge delivered over the weekend by the Challenger 1700 Sc142 barge delivered over the weekend by the Challenger 1700 Sc142 barge delivered over the weekend by the Challenger 1700	EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN JO	DB (INDICATE SCHEDU	LE ACTIVITY NUN	MBER)	
1700 Sc142 barge delivered over the weekend by the Challenger CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Description of Construction Equipment Used Today (incl Make and Model) McLean David Davis (P338L) McLean David Davis (P338L) McLean Sc130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.	Schedule	Submittal #	Description of Equipment/Material Received			,	
CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER. Schedule Activity No. McLean Description of Construction Equipment Used Today (incl Make and Model) McLean David Davis (P338L) McLean David Davis (P338L) McLean CC87(127Ton Lima) McLean Sc130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean WB39 (Work Boat) McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Material Activity No. Material Remarks Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.	Activity No.						
Schedule Activity No. MCLean Weldon Diggs Truck (P344L) MCLean David Davis (P338L) MCLean CC87(127Ton Lima) MCLean SC130 (barge under the crane) MCLean WB39 (Work Boat) MCLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.		1700	Sc142 barge delivered over the weekend by the	he Challenger			
Schedule Activity No. MCLean Weldon Diggs Truck (P344L) MCLean David Davis (P338L) MCLean CC87(127Ton Lima) MCLean SC130 (barge under the crane) MCLean WB39 (Work Boat) MCLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.							
Schedule Activity No. MCLean Weldon Diggs Truck (P344L) MCLean David Davis (P338L) MCLean CC87(127Ton Lima) MCLean SC130 (barge under the crane) MCLean WB39 (Work Boat) MCLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.							
Activity No. McLean Weldon Diggs Truck (P344L) McLean David Davis (P338L) McLean CC87(127Ton Lima) McLean SC130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean WB39 (Work Boat) McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Marid J. Davis 3/4/2013	CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	
McLean David Davis (P338L) McLean CC87(127Ton Lima) McLean SC130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Marie J. Nario 3/4/2013		Owner	Description of Construction Equipment Used	Today (incl Make and Mo	odel)		Hours Used
McLean CC87(127Ton Lima) 10 McLean SC130 (barge under the crane) 10 McLean BU85 (Enviro Bucket) 10 McLean WB39 (Work Boat) 10 McLean JB46 (Jack boat) 10 Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.		McLean					10
McLean SC130 (barge under the crane) McLean BU85 (Enviro Bucket) McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Market J. Dario 3/4/2013		McLean	David Davis (P338L)				10
McLean WB39 (Work Boat) 10 McLean JB46 (Jack boat) 10 Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Davis 3/4/2013		McLean	,				10
McLean WB39 (Work Boat) McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Available 10 Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Available 10 Bariel 1. Davis 3/4/2013		McLean					10
McLean JB46 (Jack boat) Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.		McLean	BU85 (Enviro Bucket)				10
Schedule Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Barried 3. Davis 3/4/2013		McLean	WB39 (Work Boat)				10
Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. Activity No. Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job.			JB46 (Jack boat)				10
Safety Director and Area Contruction Manager (Dan Miller and Keith Christianson) to inspect the job. David 1. Davis 3/4/2013		REMARKS					
David J. Davis 3/4/2013	Activity No.						
		Safety Directo	or and Area Contruction Manager (Dan Miller a	nd Keith Christianson) to	inspect the job.		
				D11 6)an iio	2/4/0040	
							<u> </u>

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Monday 3/4/2013	
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-7					REPORT NO.	137
WORK PERFO	RMED TO	DAY				
Schedule Activity No.	VV	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity 140.			McLean			
			McLean			
			McLean			
			McLean			
			McLean			
<u> </u>						
—						
 				+	 	+
-				+		
 						
+				+	1	
 						
				1	1	
4					1	1

	CO	NTRACTOR PRODUCTION REPORT	Monday	
		(EQUIPMENT SHEET)	3/4/2013	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	137
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A	ND SCHEDULE ACTIVITY NUMBER.	<u> </u>
Schedule		T	T	T
Activity No.	Owner McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean	+		
N/A	McLean			
N/A	McLean			
N/A	McLean			_
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			1
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A N/A				
N/A				
		+		
Schedule Activity No.	EQUIPMENT	T REMARKS		
7 totavity 140.				
	<u> </u>			
INCLUDE AL	L PERSONNE	EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	SHEET	
INTO THE FR		RACTOR PRODUCTION REPORT	SHEET 3 OF 3	
COMDINED	OKIVI 0 1450-	J (alau)	SHEEL 3 OF 3	

	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)					,
CONTRACT NO		,	JESARY)		3/5/2013)
	0.4	TITLE AND LOCATION Little Creek Maintence Dredgin	20		REPORT NO.	138
N40085-12-C-70	04	Little creek Maintence Dreaging	Ĭ		REPORT NO.	130
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			00
AAA \A\E A TI IED		IDM WEATHER	Carl Weldo		DAYS WORKED	80
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule Activity No.	WO	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Continued dre	edging in bid option #1, finished dredging in	McLean	1	Superintendent	10.0
	Cell 9. Remov	ved 385 yards from cell 9 and removed 461	McLean	1	QC Manager	10.0
	yards from ce	ell 8.	McLean	1	Crane Operator	10.0
	846 yards into	o the SC136 barge.	McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	1.0
			McLean	2	Electrican	
			McLean	1	Area Contruction Manager	
			McLean	1	Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	L DATES		TOTAL WORK HOURS ON JOB OF	
JOI	B	WAS A JOB SAFETY MEETING HELD THIS	DATE!	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
SAFE	1	WEDE THERE AND LOCK THAT A COURTNIE			THIS DATE< INCL CON'T SHEETS	71.00
JAI L	''' /	WERE THERE ANY LOST TIME ACCIDENT	STHIS DATE?	☐ YES ✓ NO		
WAA O OR ANE MAAN	LIET/FDENIOLIIA	(If YES attach copy of completed OSHA report)	IODIC BONES		CUMULATIVE TOTAL OF WORK	4500.0
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	4500.0
•		ist showing inspection performed.*Crane checklist to	•		TOTAL WORK HOURS FROM	4574.00
		L/WASTE RELEASED INTO THE ENVIRONM	IEN I ?	☐ YES ✓ NO	START OF CONSTRUCTION	4571.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as require	ed.			
	Pre work "saf	ety huddle" held at beginning of day to discuss	s potential hazards in wo	rk to be performed.		
		s held a job Safety Meeting on our Safety Police				
		EIVED TODAY TO BE INCORPORATED IN JUDESCRIPTION OF Equipment/Material Received	OB (INDICATE SCHEDU	JLE ACTIVITY NUM	MBER)	
Activity No.						
	1700	Sc136 barge delivered last night by the Challe	enger			
	•	EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (incl Make and M	odel)		Hours Used
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
	Safety Directo	or (Dan Miller) brought us lunch.				
			Pavid J. J.		3/5/2013 DATE	-
			CONTRACTOR/SUI	LIMITEINDEINI	DAIL	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Tuesday 3/5/2013	
CONTRACT NO						
N40085-12-C-70			REPORT NO.	138		
WORK PERFO	RMED TO	DAY		T		
Schedule Activity No.	V	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
7 totivity 1 to:			McLean			
			McLean			
			McLean			
			McLean			
			McLean			
-						
-						-
<u> </u>						

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Tuesday 3/5/2013	
CONTRACT N	10	TITLE AND LOCATION	0/0/2010	
		TITLE AND LOCATION	REPORT NO.	138
N40085-12-C-		NIT FOLLIDMENT ON TOD CITE TODAY, INDICATE LIGHTS LICED AND COLLEGE		
Schedule		ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			ı
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	MCLean			
N/A				
N/A N/A				
14/74				
Schedule Activity No.	EQUIPMENT	REMARKS		
INCLUDE ALI	PERSONNF	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		ACTOR PRODUCTION REPORT		

CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)			Wednesday 3/6/2013		
		CESARY)		3/6/2013	
	D LOCATION Creek Maintence Dredgir	na		REPORT NO.	139
CONTRACTOR		SUPERINTENDENT			
McLe	ean Contracting Company				81
AM WEATHER	PM WEATHER	Carl Weldon MAX TEM		DAYS WORKED MIN TEMP (F)	01
wind	windy	INIAA TEIVI	P (F)	MIN TEMP (F)	
Willia	,	ERFORMED TODAY		<u> </u>	
Schedule WORK LOCAT	TION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.					
	d option #1, finished dredging in	McLean	1	Superintendent	10.0
Cell 12 and 14. Removed	d 100 yds from 12 and 891 from 14	McLean McLean	1	QC Manager Crane Operator	10.0 10.0
991 yards into the SC142	2 harge	McLean	3	Deck Hands	30.0
OST Yards into and GOTTA	_ baigo.	McLean	1	Safety Director	00.0
		McLean	2	Electrican	
		McLean	1	Area Contruction Manager	
		McLean	1	Welder	
		McLean	1	Engineer	
		CH2M HILL	1	Aquatic Scientist	10.0
IMAS A IC	DB SAFETY MEETING HELD THIS	DATES		TOTAL WORK HOURS ON JOB SIT	
JOB	DB SAFETY MEETING HELD THIS	DATE!	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
(04557)	ERE ANY LOST TIME ACCIDENTS	C TUIC DATE?	□ vEd I NO	THIS DATE< INCL CON'T SHEETS	70.00
	copy of completed OSHA report)	S INIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOL		ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4571.0
(If YES attach statement or checklist showing in			L IL3INO	TOTAL WORK HOURS FROM	4071.0
WAS HAZARDOUS MATERIAL/WASTE R	•	•	YES VO	START OF CONSTRUCTION	4641.00
(If YES attach description of incident and proposed actio					
	S TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTO
Activity No.	S TAKEN TODAT/SAFETT INSPE	CHONS CONDUCTED		HAVE BEEN M	
	of equipment prior to use as require	ed.		TITAL BELIAM	
	held at beginning of day to discuss		to be performed.		
	Safety Meeting on our Safety Polic		10 20 ponomica.		
36 ,	, , ,				
EQUIPMENT/MATERIAL RECEIVED TOD		OB (INDICATE SCHEDUL	E ACTIVITY NUM	MBER)	
Schedule Submittal # Description	n of Equipment/Material Received				
Activity No.					
1700 No barges	delivered, to windy				
CONSTRUCTION AND PLANT EQUIPME	NT ON IOR SITE TODAY INDICA	ATE HOURS USED AND S	SCHEDIII E ACTI	IVITY NI IMBER	
	n of Construction Equipment Used			IVII I NOMBLIA.	Hours Used
Activity No.	To Concustion Equipment Cook	Today (mor mano and moo	.0.)		110010 0000
,	ggs Truck (P344L)				10
McLean David Dav	is (P338L)				10
McLean CC87(127	•				10
	arge under the crane)				10
	viro Bucket)				10
McLean WB39 (Wo					10
McLean JB46 (Jac Schedule REMARKS	k boat)				10
Activity No.					
. sarry res					
		0 -110	(2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
		David J. D	avo	3/6/2013	-
		CONTRACTOR/SUPE	RINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Wednesday 3/6/2013			
CONTRACT N						400		
	N40085-12-C-7004 REPORT NO. 139							
WORK PERFO	ORMED TO	NORK LOCATION AND DESCRIPTION	EMBLOVED	LAUMADED	TD.4.DE	T uno		
Schedule Activity No.	V	VORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
			McLean					
			McLean					
			McLean					
			McLean					
			McLean					
								
 					<u> </u>			
					1	1		
								
 				_	1			
						_		
 					+	1		
 								
INCLUDE AI I	PERSONN	IEL WORK HOURS IN THE WORK PERFORM	MED SECTION ON THIS S	HEET	1	1		
		RACTOR PRODUCTION REPORT						

	CO	NTRACTOR PRODUCTION REPORT	Wednesday	
		(EQUIPMENT SHEET)	3/6/2013	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	139
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A	ND SCHEDULE ACTIVITY NUMBER.	
Schedule				•
Activity No.	Owner McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean		+	
N/A	McLean			
N/A	McLean			
N/A	McLean			_
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			1
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A N/A				
N/A				
			+	
Schedule Activity No.	EQUIPMENT	T REMARKS		
7 totavity INO.				
		EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	HEET	
	ONT CONTROPORT ORM 01450-	RACTOR PRODUCTION REPORT 3 (9/98)	SHEET 3 OF 3	

	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)					y
CONTRACT NO		TITLE AND LOCATION	ESART)		3/7/2013	,
N40085-12-C-700	14	Little Creek Maintence Dredgin	ıa		REPORT NO.	140
		Entre of con Manifelies of cagin	Ī		INDI OINT INO.	1.10
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	Dinas	DAYS WORKED	82
AM WEATHER		PM WEATHER	Carl Weldon		MIN TEMP (F)	02
AW WEATHER	wind	windy	IVIAX I LIVI	IF (I')	IVIII (I)	
		WORK PE	RFORMED TODAY		Į.	
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		today. Painted and did some maintenance on	McLean	1	Superintendent	10.0
	the crane toda	ay.	McLean	1	QC Manager	10.0
			McLean McLean	3	Crane Operator Deck Hands	10.0
			McLean	1		30.0
			McLean	2	Safety Director Electrican	
			McLean	1	Area Contruction Manager	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	
			OFIZIVITIEE	'	7 iqualio Colonilot	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	<u>I. </u>
JOE	3			✓ YES NO	THIS DATE< INCL CON'T SHEETS	60.00
SAFE	X	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		00.00
		(If YES attach copy of completed OSHA report)	5 11 110 B/ (12)		CUMULATIVE TOTAL OF WORK	
WAS CRANE/MANI	LIFT/TRENCHIN	IG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4641.0
		st showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM	.61116
•		_/WASTE RELEASED INTO THE ENVIRONME	•	☐ YES ✓ NO	START OF CONSTRUCTION	4701.00
(If YES attach description				TES NO		
					0.45577.05011105	
Schedule	LIST SAFET	Y ACTIONS TAKEN TODAY/SAFETY INSPEC	CHONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
Activity No.	Daileraaniaaa		al		HAVE BEEN IV	EI.
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		to be performed.		
	weldon Diggs	s held a job Safety Meeting on our Safety Polici	es.			
	TEDIAL DECI	EIVED TODAY TO BE INCORPORATED IN JO	D (INDICATE COUEDIII		ADED)	
		Description of Equipment/Material Received	DB (INDICATE SCHEDUL	LE ACTIVITY NON	iden)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	No barges delivered, to windy				
	1700	The barges delivered, to writey				
CONSTRUCTION	N AND PLANT	I EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED AND	SCHEDULE ACT	VITY NUMBER.	
Schedule Activity No.	Owner	Description of Construction Equipment Used				Hours Used
7 totavity 110.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					•
Activity No.						
				e march		
			David J. R. CONTRACTOR/SUPP		3/7/2013 DATE	-

	CONTRACTOR PRODUCTION (PRODUCTION SHEET)	Thui 3/7/	rsday 2013		
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-700				REPORT NO.	140
WORK PERFORM	MED TODAY	EMBI 0)/EB	LAUMBED	TD. 4.D.F.	1100
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity IVO.		McLean			
				1	
				1	
	<u> </u>				
					
 				1	
 					
	ERSONNEL WORK HOURS IN THE WORK PERFOR				

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Thursday 3/7/2013	
CONTRACT N	10		3/1/2013	
		TITLE AND LOCATION	DEDODT NO	4.40
N40085-12-C-		ANT FOLUDATE LONG ON THE TORAY INDICATE LIQUIDO LIGED AND COLUDATE IN	REPORT NO.	140
Schedule	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	E ACTIVITY NUMBER.	
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			<u> </u>
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean			
N/A	McLean McLean			
N/A	McLean			
N/A	McLean			I
N/A	McLean			
N/A N/A	McLean			
N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A				
N/A				
0-1-1-1	EOLUDA:ENT	DEMARKS		
	EQUIPMENT	KEMAKKS		
Activity No.				
INCLLIDE ALL	DEDSONNE	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)			Monday 3/11/2013		
		· ·	CESARY)		3/11/201	3
CONTRACT NO	0.4	TITLE AND LOCATION	n.a		DEDORT NO	144
N40085-12-C-70	04	Little Creek Maintence Dredgi	Ĭ		REPORT NO.	144
CONTRACTOR		McLean Contracting Company	CLean Contracting Company SUPERINTENDENT		D 43/0 14/0 DI/ED	00
AM WEATHER		IPM WEATHER	55		DAYS WORKED MIN TEMP (F)	83
AW WEATHER		PM WEATHER	IVIAX TEIV	1P (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY		J.	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		from cell 14 to cell 2. Moving to where it need		1	Superintendent	10.0
		d is very narrow and shallow. It took a long	McLean	1	QC Manager	10.0
	1 .	position. We almost spent the entire day	McLean	1	Crane Operator	10.0
	moving.		McLean McLean	1	Deck Hands	20.0
			McLean	2	Safety Director Electrican	
			McLean	1	Area Contruction Manager	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			GHEWITHEE		7 iqualio Goloridot	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	- Uved No	TOTAL WORK HOURS ON JOB SIT	E,
JOI	В			✓ YES NO	THIS DATE< INCL CON'T SHEETS	60.00
SAFE	TY)	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES NO		00.00
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4701.0
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM	
•		LWASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	4761.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule		TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONIC CONDUCTED		CAFETY DECLUDE	MENTO
Activity No.	LIST SAFE	IT ACTIONS TAKEN TODAT/SAFETT INSPE	CHONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
Activity No.	Daily aguinm	ent checks of equipment prior to use as require	od		— HAVE BEEN IV	IL I.
		fety huddle" held at beginning of day to discuss		to be performed		
		s held a job Safety Meeting on our Safety Police		t to be performed.		
	Weldon Digg	s field a job safety Meeting on our safety i one	ЛСЭ.			
FOLIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDUI	E ACTIVITY NUM	/BER)	
		Description of Equipment/Material Received			MDEI()	
Activity No.		2 000p. 0 240.p. 10				
The state of the s	1700	No barges delivered, to windy				
CONSTRUCTIO	N AND PLANT	Γ EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mo	del)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			David J. R	ario	2/44/2042	
					3/11/2013	-
	1	(00)	CONTRACTOR/SUPI	EKIN I ENDEN I	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Monday 3/11/2013	
CONTRACT N		TITLE AND LOCATION				
N40085-12-C-					REPORT NO.	144
WORK PERF	ORMED TO	MODIC LOCATION AND DESCRIPTION	EMBLOVED	LAUMARER	TD 4 DE	Lung
Schedule Activity No.	V	VORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Trouving Trov			McLean			
			McLean			
			McLean			
			McLean			
			McLean			
						
—				-		+
		NEL WORK HOURS IN THE WORK PERFORM	MED SECTION ON THIS S	HEET		
INVIO INE FK	OINT COINT	RACTOR PRODUCTION REPORT				

CONTRACTOR PRODUCTION REPORT		Monday		
		(EQUIPMENT SHEET)	3/11/2013	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	144
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A		
Schedule				
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A N/A	McLean McLean		+	
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			<u> </u>
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A			+	
N/A				
Schedule	EQUIPMEN	I ΓREMARKS		
Activity No.				
	 			
		EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	HEET	
	RONT CONTR FORM 01450-	RACTOR PRODUCTION REPORT 3 (9/98)	SHEET 3 OF 3	

CONTRACTOR PRODUCTION REPORT			Tuesday			
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		3/12/2013	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	145
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weldor		DAYS WORKED MIN TEMP (F)	84
AM WEATHER		PM WEATHER	MAX TEN	MAX TEMP (F)		
		WORK F	PERFORMED TODAY		1	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Started dredg	ging in cell 2. Moved from cell 2 to cell 3. The	McLean	1	Superintendent	10.0
		ras on the bottom so we moved to deeper	McLean	1	QC Manager	10.0
		ved 365 out of cell 2 and 117 out of cell 3.	McLean	1	Crane Operator	10.0
	total of 482.		McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	1	Electrican	
			McLean McLean		Area Contruction Manager Welder	
			McLean	1		
			CH2M HILL	1	Engineer Aquatic Scientist	10.0
			CHZIVI HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOI	B	WAG A GOD GALLET MEETING TIEED THIS	J D/(IL.	✓ YES NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	1	WERE THERE ANY LOST TIME ACCIDENT	TO THIS DATES		THIS DATE INCL CONT SHEETS	70.00
J		(If YES attach copy of completed OSHA report)	IS THIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
MAS CDANE/MAN	I IET/TDENICUIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V	NODK DONES	[] VEd No	HOURS FROM PREVIOUS RPT	4761.0
		ist showing inspection performed.*Crane checklist t		✓ YES NO	TOTAL WORK HOURS FROM	4/61.0
•		L/WASTE RELEASED INTO THE ENVIRONN	•			4831.00
			/IEIN I ?	☐ YES ✓ NO	START OF CONSTRUCTION	4631.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule Activity No.	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	ECTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
7 totivity 140.	Daily equipm	ent checks of equipment prior to use as requi	red		TIVE BEETIN	
		fety huddle" held at beginning of day to discus		k to be performed		
		is held a job Safety Meeting on our Safety Poli		k to be performed.		
	Weldon Digg	is field a job calcty Meeting of our carety i on	oico.			
FOUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN J	IOB (INDICATE SCHEDU	I F ACTIVITY NUM	MBFR)	
		Description of Equipment/Material Received				
Activity No.						
,	1700	No barges delivered				
		, and the second				
CONSTRUCTION	N AND PLANT	FEQUIPMENT ON JOB SITE TODAY. INDIC	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	l Today (incl Make and Mo	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
Cabadula	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			David J. R	ario	3/12/2013	
			CONTRACTOR/SUP		DATE	-
OOMBINED FOR	1	(00)	OUNTINAUTUR/SUF	LIMITEINDEINI	DAIL	

CONTRACTOR PRODUCTION REPORT				Wednesday 3/13/2013		
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		3/13/201	3
CONTRACT NO		TITLE AND LOCATION				4.40
N40085-12-C-700	04	Little Creek Maintence Dredgin	9		REPORT NO.	146
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		Mozoan contracting company	Carl Weldor		DAYS WORKED	85
AM WEATHER		PM WEATHER	MAX TEN	MP (F)	MIN TEMP (F)	
		WORK BE	RFORMED TODAY			
Schedule	l wo	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.				1.02		
1700	Removed abo	out 150 more yards out of cell 3 this mourning.	McLean	1	Superintendent	10.0
		ial into 135 barge. Switch out barges and	McLean	1	QC Manager	10.0
	continued to t	dredge in cell 3.	McLean McLean	3	Crane Operator Deck Hands	10.0 30.0
			McLean	1	Safety Director	30.0
			McLean	2	Electrican	
			McLean	1	Area Contruction Manager	
			McLean	1	Welder	6.0
			McLean	1	Engineer	0.0
			CH2M HILL	1	Aquatic Scientist	10.0
						1919
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	В			YESINU	THIS DATE< INCL CON'T SHEETS	76.00
SAFE	TY)	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		1 0.00
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	J NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4831.0
		st showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM	
•		_/WASTE RELEASED INTO THE ENVIRONME	•	YES NO	START OF CONSTRUCTION	4907.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule		TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTO
Activity No.	LIST SAFET	TACTIONS TAKEN TODAT/SAFETT INSPEC	CHOINS COINDOCTED		HAVE BEEN M	
Activity 140.	Daily equipme	ent checks of equipment prior to use as require	d		TIAVE DELIVIV	IL I .
		ety huddle" held at beginning of day to discuss		k to be performed		
		s held a job Safety Meeting on our Safety Polici		k to be performed.		
	Weldon Digg.	s ricid a job datety weeting on our datety i dilet	CO.			
FOUIPMENT/MA	TERIAL RECE	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDU	LE ACTIVITY NUM	MBER)	
		Description of Equipment/Material Received	,			
Activity No.						
,	1700	Received the SC136 barge this mourning, del	ivered by The Evelyn Do	tris		
			·			
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED AND	SCHEDULE ACT	VITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Γoday (incl Make and Mo	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
Schedule	McLean	JB46 (Jack boat)				10
	REMARKS					
Activity No.						
			David J. R	ario	3/13/2013	
			CONTRACTOR/SUP		DATE	-
			CONTRACTOR/SUP	LVIIN I EINDEN I	DATE	

CONTRACTOR PRODUCTION REPORT				Thursday		
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		3/14/201	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-700	04	Little Creek Maintence Dredgir	ng		REPORT NO.	147
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weldon		DAYS WORKED	86
AM WEATHER		PM WEATHER	MAX TEMP	P (F)	MIN TEMP (F)	
		I WORK P	ERFORMED TODAY		<u> </u>	
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Finished cell 3	3 and placed additional 156 yards into	McLean	1	Superintendent	10.0
		and finished loading the barge. Removed	McLean	1	QC Manager	10.0
		e. Moved crane to the middle of cell 6.	McLean	1	Crane Operator	10.0
		ng the 142 barge. Removed an additional	McLean	3	Deck Hands	30.0
	_	m cell 6. Completed 6. Moved to cell 4	McLean	1	Safety Director	
		oading. As of today a total of 649 yards	McLean	2	Electrican	
	removed from	n cell 4.	McLean	1	Area Contruction Manager	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			<u> </u>			
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES 🗌 NO	TOTAL WORK HOURS ON JOB SIT	
JOE	N N		_		THIS DATE< INCL CON'T SHEETS	70.00
SAFE	TY	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES ✓ NO		
MAC CDANE/MANU	IET/TDENCLUN	(If YES attach copy of completed OSHA report)	IODK DONES	✓ YES □ NO	CUMULATIVE TOTAL OF WORK	4007.0
		IG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES □ NO	HOURS FROM PREVIOUS RPT	4907.0
•		st showing inspection performed.*Crane checklist to	_		TOTAL WORK HOURS FROM	4077.00
		WASTE RELEASED INTO THE ENVIRONM	ENI?	YES ✓ NO	START OF CONSTRUCTION	4977.00
(If YES attach description	on of incident and p	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
Activity No.	Daily equipme	ent checks of equipment prior to use as require	ed.		HAVE BEEN IV	E1.
		ety huddle" held at beginning of day to discuss		to he nerfermed		
		s held a job Safety Meeting on our Safety Police		to be performed.		
	Weldon Diggs	s rield a job Salety Meeting on our Salety Folic	JE5.			
EOLIIDMENT/MA	TEDIAL DECE	EIVED TODAY TO BE INCORPORATED IN J	OR (INDICATE SCHEDI II I		/RED)	
		Description of Equipment/Material Received	OB (INDICATE SCITEDOLI	LACIIVIII NON	NDLI()	
Activity No.	Submittal #	Description of Equipment/Material Neceived				
Activity No.	1700	Received the SC142 barge this mourning, de	divered by The Evelyn Dotr	ie		
	1700	received the 60142 barge this mounting, de	SINCICA BY THE EVERYTH DOLL	13		
CONSTRUCTION	N AND PLANT	I EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND S	SCHEDULE ACT	IVITY NUMBER.	
Schedule Activity No.	Owner	Description of Construction Equipment Used				Hours Used
7.0.1711, 140.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	(
Activity No.						
			David J. Do CONTRACTOR/SUPE		3/14/2013 DATE	

CONTRACTOR PRODUCTION REPORT			Monday			
		(ATTACH ADDITIONAL SHEETS IF NECCESARY)			3/18/2013	
CONTRACT NO		TITLE AND LOCATION				4-4
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	151
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		Mozodn Contracting Company	Carl Weldo		DAYS WORKED	87
AM WEATHER	windy	PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK E	PERFORMED TODAY			
Schedule	WO	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.						
1700		crane and greased the head of the boom. ge because of the high winds.	McLean	1	Superintendent	2.0
	Dia not areag	ge because of the high willus.	McLean McLean	1 1	QC Manager Crane Operator	2.0 2.0
			McLean	3	Deck Hands	6.0
			McLean	1	Safety Director	0.0
			McLean	2	Electrican	
			McLean	1	Area Contruction Manager	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	2.0
		WAS A JOB SAFETY MEETING HELD THIS	S DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	\ \			1L3 NO	THIS DATE< INCL CON'T SHEETS	14.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	TS THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V	VORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4877.0
(If YES attach state	ement or checkli	ist showing inspection performed.*Crane checklist t	o be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONM	MENT?	☐ YES ✓ NO	START OF CONSTRUCTION	4891.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	ECTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.	LIOT OAI LI	THACTIONS TAILEN TODATION ETT INGLE	TOTIONO CONDUCTED		HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as requi	red.			
		fety huddle" held at beginning of day to discus		rk to be performed.		
		s held a job Safety Meeting on our Safety Poli		to 20 portormour		
	i i i i i i i i i i i i i i i i i i i					
EQUIPMENT/MA	TERIAL RECE	EIVED TODAY TO BE INCORPORATED IN J	IOB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
		Description of Equipment/Material Received			,	
Activity No.						
	1700					
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDIC	ATE HOURS USED AND	D SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	I Today (incl Make and M	lodel)		Hours Used
Activity No.	ļ					
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
Schedule	McLean	JB46 (Jack boat)				10
	REMARKS					
Activity No.						
			David J. 9	Darrio	3/18/2013	
						-
			CONTRACTOR/SU	rekin i ENDEN I	DATE	

	CONTRACTOR PRODUCTION REPORT			Tuesday		
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		3/19/201:	3
CONTRACT NO N40085-12-C-70	0.4	TITLE AND LOCATION Little Creek Maintence Dredgii	na		REPORT NO.	152
		Little Creek Maintence Dreagn	ĭ		KLFOKT NO.	132
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	Diana	DAYS WORKED	88
AM WEATHER		PM WEATHER		Carl Weldon Diggs MAX TEMP (F)		00
				. ,	MIN TEMP (F)	
0 1 1 1	14/6		ERFORMED TODAY	NUMBER .	TD.4.D.F	
Schedule Activity No.	VVC	DRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		ed cell 4 and placed additional 960 yards into	McLean	1	Superintendent	10.0
		e and finished loading the barge.	McLean	1	QC Manager	10.0
	Moved crane	in front of cell 2.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	4.0
			McLean	2	Mechanic	4.0
			McLean	1	Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		INVADA IOD OAFETVAKEETING HELD THIO	L DATES			<u>l</u>
101		WAS A JOB SAFETY MEETING HELD THIS	SDATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
JOI	1				THIS DATE< INCL CON'T SHEETS	74.00
SAFE	:11	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	4891.0
(If YES attach state	ement or checkl	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	4965.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.	2101 0/11 2	THE TOTAL PROPERTY OF THE PROP	.0110110 0011000120		HAVE BEEN M	
7 totivity 140.	Daily equipm	ent checks of equipment prior to use as require	ed		TITAL BEETVIN	IL I .
		fety huddle" held at beginning of day to discuss		to be nerfermed		
		s held a job Safety Meeting on our Safety Police		сто ве реполнеа.		
	weldon bigg	s neid a job Salety Meeting on our Salety Polic	Jies.			
	TEDIAL DEC	EIVED TODAY TO BE INCORPORATED IN J			ADED)	
		Description of Equipment/Material Received		E ACTIVITY NON	MBER)	
	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Despited 125 harms delivered by The Huse				
	1700	Received 135 barge delivered by The Huss				
CONCEDUCTION	NI ANID DI ANI	I FEQUIPMENT ON JOB SITE TODAY. INDIC.	ATE LIQUIDO LICED AND	COLIEDUI E ACT	IV/ITV/ NILINADED	
Schedule	T.				IVIIY NUMBER.	Hours Used
Activity No.	Owner	Description of Construction Equipment Used	Today (ITICI Make and Mod	uei)		Hours Osed
ACTIVITY INU.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
		CC87(127Ton Lima)				_
	McLean McLean	SC130 (barge under the crane)				10 10
	McLean McLean	BU85 (Enviro Bucket)				10
	McLean McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	JB46 (Jack Boat)				10
	KLWAKKS					
Activity No.	Mechanis car	me out and switched out jack boat motors				
	Mooriaino cal	and sat and satisfied out jack boat motors				
			David J. R	anio	2/40/0040	
					3/19/2013	=
001450:== ===	110445	(00)	CONTRACTOR/SUP	ERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT				Wednesday 3/20/2013		
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		3/20/201	3
CONTRACT NO		TITLE AND LOCATION			REPORT NO.	153
N40085-12-C-70	04	Little Creek Maintence Dredgin	T T		REPORT NO.	100
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	D:	DAVO WORKED	00
AM WEATHER		IPM WEATHER	Carl Weldon		DAYS WORKED MIN TEMP (F)	89
				(. /	(,)	
			ERFORMED TODAY		_	•
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		4 and started in cell 2 placed 813 yards into	McLean	1	Superintendent	10.0
		e and finished loading the barge.	McLean	1	QC Manager	10.0
	Moved crane	in f of cell 2.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
	Remove 40 n	more yards from 4 and remove 783 from cell 2	McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATES		TOTAL WORK HOURS ON JOB OF	
JOI	B	WAS A JOB SAFETY MEETING HELD THIS	DATE	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
SAFE	1				THIS DATE< INCL CON'T SHEETS	70.00
SAFE		WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	4965.0
•		ist showing inspection performed. *Crane checklist to	•		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	YES ✓ NO	START OF CONSTRUCTION	5035.00
(If YES attach description	tion of incident and	proposed action.)				
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	IET.
	Daily equipm	ent checks of equipment prior to use as require	ed.			
	Pre work "sat	fety huddle" held at beginning of day to discuss	potential hazards in work	to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Polic	cies.			
EQUIPMENT/MA	ATERIAL REC	EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDUL	E ACTIVITY NUM	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 136 barge delivered by The Huss				
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mod	del)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
0 1 1 1	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			David J. R	OR HIS	0/40/0040	
					3/19/2013	-
		(0.0)	CONTRACTOR/SUP	ERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT				Thursday 3/21/2013		
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		3/21/201	3
CONTRACT NO		TITLE AND LOCATION			DEDODE NO	454
N40085-12-C-700	04	Little Creek Maintence Dredgi	<u>19</u>		REPORT NO.	154
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weldo		DAYS WORKED	90
AM WEATHER	windy	PM WEATHER windy	MAX TEN	MP (F)	MIN TEMP (F)	
	Williay		ERFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	High prevente	ed us from moving barges. No dredging	McLean	1	Superintendent	2.0
			McLean	1	QC Manager	2.0
			McLean	1	Crane Operator	2.0
			McLean	3	Deck Hands	6.0
			McLean	1	Safety Director	
			McLean McLean	2 2	Electrican Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	2.0
			CHZIVITILL		Aquatic Ocientist	2.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	E.
JOE	3			✓ YES NO	THIS DATE< INCL CON'T SHEETS	14.00
SAFE	N. C.	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		14.00
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	5035.0
•		st showing inspection performed.*Crane checklist to	•		TOTAL WORK HOURS FROM	
WAS HAZARDOI	US MATERIAL	_/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5049.00
(If YES attach descripti	on of incident and	proposed action.)				
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as require	ed.			
	Pre work "saf	ety huddle" held at beginning of day to discuss	s potential hazards in wor	k to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Police	cies.			
Schedule		EIVED TODAY TO BE INCORPORATED IN Judgment/Material Received	OB (INDICATE SCHEDU	ILE ACTIVITY NUN	MBER)	
Activity No.	4700					
	1700	no barges delivered				
CONSTRUCTION	I AND DI ANT	<u>I</u> EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOLIDS LISED AND	SCHEDIII E ACT	IV/ITV NII IMPED	
Schedule Activity No.	Owner	Description of Construction Equipment Used			WITT NOWIBLE.	Hours Used
,	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			David 1. R		3/21/2013 DATE	-

CONTRACTOR PRODUCTION REPORT			Friday			
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		3/22/2013	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgin	<u>19</u>		REPORT NO.	155
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weldon D	iggs	DAYS WORKED	91
AM WEATHER		PM WEATHER	MAX TEMP	(F)	MIN TEMP (F)	
		WORKE	EREODMED TODAY			
Schedule	WC	DRK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS
Activity No.		THE DESCRIPTION	LIWII LOTEIX	NOWBER	TIVADE	11110
1700		2 and started in cell 2 placed 293 yards into	McLean	1	Superintendent	10.0
		arge. Moved crane back to cell 5 and 7	McLean	1	QC Manager	10.0
		1 yards from 7, 32 yards from 6 and 695 yards	McLean McLean	3	Crane Operator Deck Hands	10.0 30.0
	ITOTTI 5. TOTAL C	of 858 yards today.	McLean	1	Safety Director	30.0
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATES			<u> </u>
JOI	R	WAS A JOB SAFETY MEETING HELD THIS	DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	
SAFE	1	WEDE THERE ANY LOST TIME ACCIDENT	C THIS DATES	YES 🗸 NO	THIS DATE< INCL CON'T SHEETS	70.00
JAI L		WERE THERE ANY LOST TIME ACCIDENT (If YES attach copy of completed OSHA report)	SINISDATE!	TES NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	YES NO	HOURS FROM PREVIOUS RPT	5049.0
		ist showing inspection performed.*Crane checklist to		.20	TOTAL WORK HOURS FROM	00 1010
•		L/WASTE RELEASED INTO THE ENVIRONM	•	YES 🗸 NO	START OF CONSTRUCTION	5119.00
(If YES attach descript	ion of incident and	proposed action.)	_			
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.	2.01 0/11 2	THE TOTAL THE POSITION OF THE	0110110 0011200122		HAVE BEEN M	
	Daily equipm	ent checks of equipment prior to use as require	ed.			
	Pre work "sat	fety huddle" held at beginning of day to discuss	s potential hazards in work to	be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Polic	cies.			
		EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDULE /	ACTIVITY NUI	MBER)	
	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Received 142 barge delivered by The Hoss				
	1700	Treceived 142 barge delivered by The 11033				
CONSTRUCTIO	N AND PLANT	FEQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND SC	HEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Model))		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10 10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			Ravid J. Ra	vio	3/22/2013	
			CONTRACTOR/SUPERI		DATE	•
2214511155 525	1104450 1 /2	(0.0)			OUEEE 4 (O	

CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)				Saturday 3/23/2013		
CONTRACT NO		TITLE AND LOCATION	COART)		0/20/2010	
N40085-12-C-70	04	Little Creek Maintence Dredgin	na		REPORT NO.	156
CONTRACTOR	-	2. The of each manners of eag.	SUPERINTENDENT		I CIN I NO	
CONTRACTOR		McLean Contracting Company		n Diggs	DAYS WORKED	92
AM WEATHER		PM WEATHER	Carl Weldo MAX TEI		MIN TEMP (F)	92
ANI WEATHER		I W VEXITER	W/ OCTE	(1)	(1)	
			ERFORMED TODAY	•		
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No. 1700	Continued to	dredge in cell 5. And finished cell 5. Placed	McLean	1	Superintendent	10.0
		the sc142 barge. 142 Barge came to us with	McLean	1	QC Manager	10.0
	about 200 ya	rds in the barge. Barge has about 930 yard.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	В			L ILS_ NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	J` NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5119.0
		ist showing inspection performed *Crane checklist to		125110	TOTAL WORK HOURS FROM	01.10.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•	YES NO	START OF CONSTRUCTION	5189.00
(If YES attach descript			LIVI	☐ YES NO	START OF CONCINCOTION	0.100.00
						<u> </u>
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.					HAVE BEEN M	IET.
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		rk to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polic	ies.			
		EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 135 barge delivered by The Hoss				
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mo	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
	†			w.		
			David J. R	Vario	3/23/2013	
			CONTRACTOR/SUF		DATE	-
			JOINTRACTOR/SUF	LIMITENDENI	DAIL	

CONTRACTOR PRODUCTION REPORT				Monday 3/25/2013		
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		3/25/201	3
CONTRACT NO		TITLE AND LOCATION				450
N40085-12-C-700	04	Little Creek Maintence Dredgin	9		REPORT NO.	158
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		melean contracting company	Carl Weldo		DAYS WORKED	93
AM WEATHER		PM WEATHER	MAX TEN	MP (F)	MIN TEMP (F)	
		WORK PE	IERFORMED TODAY			
Schedule	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.						
1700		from bid option #1 area to Area B. Started	McLean	1	Superintendent	10.0
		reas that were not low enough, sandy areas oved about 550 yards and placed in the SC135.	McLean McLean	1	QC Manager	10.0 10.0
		dredging in the sandy areas.	McLean	3	Crane Operator Deck Hands	30.0
	barge. Slow c	areaging in the sandy areas.	McLean	1	Safety Director	30.0
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	
					'	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	3			TE3INO	THIS DATE< INCL CON'T SHEETS	60.00
SAFE	:TY /	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	J NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WO	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5189.0
(If YES attach state	ement or checkli	st showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	_/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5249.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.	LISTOALLI	TACTIONS TAKEN TODATION ETT INGLE	STIONS CONDUCTED		HAVE BEEN M	
7 touvity 140.	Daily equipme	ent checks of equipment prior to use as require	nd .		TIVE BEETVIN	
		ety huddle" held at beginning of day to discuss		k to be performed		
		s held a job Safety Meeting on our Safety Polici		k to be performed.		
	Wolden Bigge	o note a job carety incoming on our carety i one				
EQUIPMENT/MA	TERIAL RECE	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDU	ILE ACTIVITY NUM	MBER)	
		Description of Equipment/Material Received	(,	
Activity No.						
·	1700	Received no barge delivered by The Hoss				
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mo	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
Schedule	McLean REMARKS	JB46 (Jack boat)				10
Activity No.	KEWAKKS					
Activity No.						
			David J. R	Javio	3/25/2013	
			CONTRACTOR/SUP		DATE	-
			33.1710.01010001	EIADEIAI	DATE	

CONTRACTOR PRODUCTION REPORT				Tuesday 3/26/2013		
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		3/26/2013	3
CONTRACT NO		TITLE AND LOCATION				450
N40085-12-C-70	04	Little Creek Maintence Dredgin	19		REPORT NO.	158
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weldon		DAYS WORKED	94
AM WEATHER		PM WEATHER	MAX TEM	P (F)	MIN TEMP (F)	
		WORK PE	 ERFORMED TODAY		<u> </u>	
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.						
1700		dredge in area B. Finished dredging in area B. mshell bucket in the areas we missed, because	McLean	1	Superintendent	10.0
		material. Will move to desert cove tomorrow.	McLean McLean	1 1	QC Manager Crane Operator	10.0 10.0
	or the samey	material. Will move to desert dove temerrow.	McLean	3	Deck Hands	30.0
	Removed an	additional 487 yards. Total removed 1037 yard		1	Safety Director	00.0
		,	McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	
		WAS A JOB SAFETY MEETING HELD THIS	DΔTE2		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOI	В	WAG A GOD GAI ETT MILETING FILED THIS	DATE:	✓ YES NO	THIS DATE< INCL CON'T SHEETS	60.00
SAFE	١	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO	THIS DATES INCL CONT SHEETS	00.00
		(If YES attach copy of completed OSHA report)	O THIO DATE:	YES_ NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5249.0
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5309.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
	Daily equipm	ent checks of equipment prior to use as require	ed.			
		fety huddle" held at beginning of day to discuss		to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Polici	ies.			
		EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDUL	E ACTIVITY NUN	MBER)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Received 141 barge delivered by The Hoss				
	1100	The control of the bange delivered by the field				
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mod	del)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10 10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
	 					
	 					
	 					
			Ravid J. R	avis	3/26/2013	
			CONTRACTOR/SUPE		DATE	_
	11.04.450 (/2	(0.0)			OUEET 4 (o	

CONTRACTOR PRODUCTION REPORT					Wednesday	
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		3/27/201	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	159
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		Welcan Contracting Company	Carl Weldo		DAYS WORKED	95
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK PE	RFORMED TODAY			
Schedule	WO	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.			0			
1700		barge from area B to Desert Cove cell 20.	McLean	1	Superintendent	10.0
		use the clamshell bucket in this area. We are sand. Loaded an additional 702 yards into sc141.	McLean McLean	1	QC Manager	10.0 10.0
		on barge 926 yards.	McLean McLean	3	Crane Operator Deck Hands	30.0
	total material	on barge 920 yards.	McLean	1	Safety Director	30.0
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	6.0
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
					,	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	\ \ \			123110	THIS DATE< INCL CON'T SHEETS	76.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WO	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5309.0
(If YES attach state	ement or checkli	st showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5385.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.	2.01 0/11 2.1	TO THOUSE TAINED TO BATTAGE ETT INOT EC	THOMO CONDOCTED		HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as require	d.			
		ety huddle" held at beginning of day to discuss		rk to be performed.		
		s held a job Safety Meeting on our Safety Polici				
	33					
EQUIPMENT/MA	TERIAL RECE	EIVED TODAY TO BE INCORPORATED IN JC	B (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
		Description of Equipment/Material Received	,		,	
Activity No.						
	1700	Received 142 barge delivered by The Hoss				
		EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used 1	Today (incl Make and Mo	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima) SC130 (barge under the crane)				10
	McLean MoLean	BU85 (Enviro Bucket)				10 10
	McLean McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	OD-10 (Gack Sout)				10
Activity No.						
	Welder came	on site to weld on the enviroment bucket.				
			David J. F	Vario	3/27/2013	
			CONTRACTOR/SUF		DATE	-

CONTRACTOR PRODUCTION REPORT					Thursday 3/28/2013	
CONTRACT NO		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		3/20/2013	<u> </u>
	2.4	TITLE AND LOCATION Little Creek Maintence Dredgin			REPORT NO.	160
N40085-12-C-700)4	Little creek Maintence breaging	Ī		REPORT NO.	100
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYO WODIED	00
AAAAA/EATUED		IDMANUE AT LIED	Carl Weldor		DAYS WORKED	96
AM WEATHER		PM WEATHER	MAX TEN	/IP (F)	MIN TEMP (F)	
		WORK PE	RFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Continued to	dredge in cell 20 and finished. Started into cell	McLean	1	Superintendent	10.0
		an additional 676 yards from 20. Removed	McLean	1	QC Manager	10.0
		m 19. Total of 899 yards today into the SC142	McLean	1	Crane Operator	10.0
	barge.		McLean	<u>3</u>	Deck Hands	30.0
			McLean Mol con	2	Safety Director	2.0
			McLean McLean	2	Electrican	3.0
				1	Mechanic	
			McLean		Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE2		TOTAL WORK HOURS ON JOB OF	<u> </u>
JOE		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
SAFE	X				THIS DATE< INCL CON'T SHEETS	73.00
SAFE		WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	5385.0
•		st showing inspection performed. *Crane checklist to	·		TOTAL WORK HOURS FROM	
WAS HAZARDOI	JS MATERIAL	_/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5458.00
(If YES attach description	on of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	IET.
	Daily equipme	ent checks of equipment prior to use as require	d.			
	Pre work "saf	ety huddle" held at beginning of day to discuss	potential hazards in work	k to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polici	es.			
		EIVED TODAY TO BE INCORPORATED IN JO Description of Equipment/Material Received	DB (INDICATE SCHEDUI	LE ACTIVITY NUM	MBER)	
	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Received 136 barge delivered by The Hoss				
	1700	Received 136 barge delivered by The Hoss				
CONSTRUCTION	I AND DI ANT	I EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOLIDS LISED AND		VITY NUMBER	
Schedule Activity No.	Owner	Description of Construction Equipment Used			WITT NOWIDER.	Hours Used
7 totavity 140.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	ob to (each beat)				10
Activity No.	TALIW WATER					
	Collected san	nple from Desert Cove and delivered to Bay En	viromental			
		came out and did safety checks				
	Liconiciali	came out and did salety ellects				
			David 1. R CONTRACTOR/SUP		3/28/2013 DATE	-

CONTRACTOR PRODUCTION REPORT					Monday 4/1/2013	
001170407410		(ATTACH ADDITIONAL SHEETS IF NECC	4/1/2013			
CONTRACT NO	0.4	TITLE AND LOCATION			DEDORT NO	164
N40085-12-C-70	04	Little Creek Maintence Dredgin	Ť		REPORT NO.	104
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			.=
		January Tura	Carl Weldo		DAYS WORKED	97
AM WEATHER		PM WEATHER	MAX IE	MP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Continued to	dredge in cell 19 Placed 766 yards into the 13	McLean	1	Superintendent	10.0
	barge.	•	McLean	1	QC Manager	10.0
			McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	A Company of the Comp				THIS DATE< INCL CON'T SHEETS	70.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	■ NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5458.0
		st showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM	
•		L/WASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	5528.00
(If YES attach descript				L YES NO		5525.65
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.					HAVE BEEN M	ET.
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		rk to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Police	cies.			
		EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 141 barge delivered by The Hoss				
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	O SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					•
Activity No.						
	Welder came	on site to weld on spud and clam shell bucket	İ			
	1					
	1					
	1					
	1					
	†					
			Parid J. 9	Davis	4/1/2013	
			CONTRACTOR/SUI		DATE	-
			CONTRACTOR/SUI	FERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT					Tuesday 4/2/2013	
	(ATTACH ADDITIONAL SHEETS IF NECCESARY)				4/2/2013)
CONTRACT NO	0.4	TITLE AND LOCATION Little Creek Maintence Dredgir	20		REPORT NO.	165
N40085-12-C-700	U4	Little Creek Maintence Di eagir	Ĭ		REPORT NO.	100
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYO WODKED	00
		IDMANUEATHED	Carl Weldo		DAYS WORKED	98
AM WEATHER		PM WEATHER	MAX TEI	MP (F)	MIN TEMP (F)	
		WORK PI	ERFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 19 and finished. Moved to cell 1		1	Superintendent	10.0
		1 yards from 17 and place into 141 barge.	McLean	1	QC Manager	10.0
	Total for the c	day is 954 yards.	McLean	1	Crane Operator	10.0
			McLean	1	Deck Hands	30.0
			McLean	2	Safety Director	
			McLean McLean	2	Electrican Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			CHZIVI HILL	· ·	Aqualic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE2		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOE	3	WAS A JOB SAI ETT WEETING HEED THIS	DATE	✓ YES NO		
SAFE	\ \ \	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATES	☐ YES ✓ NO	THIS DATE< INCL CON'T SHEETS	70.00
5,		(If YES attach copy of completed OSHA report)	3 ITIIS DATE!	☐ YES[▼] NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MANI	LIET/TRENCHIN	IG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5528.0
		st showing inspection performed.*Crane checklist to		YES_ NO	TOTAL WORK HOURS FROM	3320.0
•		_/WASTE RELEASED INTO THE ENVIRONM	•			5598.00
			EINI !	☐ YES ✓ NO	START OF CONSTRUCTION	5596.00
(If YES attach descripti						
Schedule Activity No.	LIST SAFET	Y ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
7 10117119 1 101	Daily equipme	ent checks of equipment prior to use as require	ed.			· <u> </u>
		ety huddle" held at beginning of day to discuss		rk to be performed		
		s held a job Safety Meeting on our Safety Police				
		EIVED TODAY TO BE INCORPORATED IN JO Description of Equipment/Material Received	OB (INDICATE SCHEDU	ILE ACTIVITY NUM	MBER)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity 140.	1700	Received 136 barge delivered by The Hoss				
	1700	Treceived 100 barge delivered by The Floor				
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	
Schedule Activity No.	Owner	Description of Construction Equipment Used				Hours Used
,	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					1 12
Activity No.						
·						
			David J. R CONTRACTOR/SUF		4/2/2013 DATE	<u> </u>

	CONTRACTOR PRODUCTION REPORT					ay
		(ATTACH ADDITIONAL SHEETS IF NEC	CCESARY)		4/3/2013	•
CONTRACT NO N40085-12-C-70		TITLE AND LOCATION Little Creek Maintence Dredg	ing		REPORT NO.	166
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weldo	n Diggs	DAYS WORKED	99
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK	PERFORMED TODAY		ı	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		today. Did repairs on the crane and	McLean	1	Superintendent	10.0
	fixed a leak o	on the SC142 barge.	McLean	1	QC Manager	10.0
			McLean McLean	3	Crane Operator Deck Hands	10.0 30.0
			McLean	1	Safety Director	30.0
			McLean	2	Electrican	
			McLean	2	Mechanic	10.0
			McLean	1	Welder	10.0
			McLean	1	Engineer	10.0
			CH2M HILL	1	Aquatic Scientist	10.0
			<u> </u>		/ iqualio Gololliloi	
		WAS A JOB SAFETY MEETING HELD THI	S DATE?	- I	TOTAL WORK HOURS ON JOB SIT	E,
JO	В			✓ YES NO	THIS DATE< INCL CON'T SHEETS	90.00
SAFE	١	WERE THERE ANY LOST TIME ACCIDEN	ITS THIS DATE?	☐ YES ✓ NO		00.00
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	ILIFT/TRENCHI	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT	WORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5598.0
•		list showing inspection performed.*Crane checklist	•		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRON	MENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5688.00
(If YES attach descript	tion of incident and	proposed action.)				
Schedule Activity No.	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSP	ECTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
-	Daily equipm	ent checks of equipment prior to use as requ	ired.		<u>-</u>	
	Pre work "sa	fety huddle" held at beginning of day to discu-	ss potential hazards in wor	rk to be performed.		
		s held a job Safety Meeting on our Safety Po		•		
		EIVED TODAY TO BE INCORPORATED IN	•	JLE ACTIVITY NUM	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received	d			
Activity No.						
	1700	Received 142 barge delivered by The Hoss				
					N (IT) () II II II II II	
	1	T EQUIPMENT ON JOB SITE TODAY. INDIC			IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Use	d Today (incl Make and Me	odel)		Hours Used
Activity No.	Malaaa	Wolden Dinne Twelv (D2441)				40
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10 10
		CC87(127Ton Lima)				_
	McLean McLean	SC130 (barge under the crane)				10 10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	OB TO (GOOK BOOK)				10
Activity No.		ame on site to work on crane.				
7 totavity 1 to						
				0		
			David J. F	Vario	4/3/2013	
			CONTRACTOR/SUF		DATE	-
		2/00)			OUEET 4 (o	

CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)					Thursday 4/4/2013		
CONTRACT NO		TITLE AND LOCATION	JESAKT)		7/7/2010		
N40085-12-C-70	04	Little Creek Maintence Dredgi	na		REPORT NO.	167	
		ETTTE OF COR Maintened Dr Cagn	Ĭ		KEI OKI NO.	107	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	na Diama	DAYS WORKED	100	
AM WEATHER		PM WEATHER	Carl Weldo	imp (F)	MIN TEMP (F)	100	
AW WEATHER		FW WEATTER	IVIAX IL	.ivir (r)	IVIII (I)		
			ERFORMED TODAY				
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
1700		dredge in cell 17 Removed an additional	McLean	1	Superintendent	10.0	
	Removed 922	2 yards from 17 and place into 142 barge.	McLean	1	QC Manager	10.0	
			McLean	1	Crane Operator	10.0	
			McLean	3	Deck Hands	30.0	
			McLean	1	Safety Director	1.0	
			McLean	2	Electrican		
			McLean	2	Mechanic		
			McLean	1	Welder		
			McLean	1	Engineer		
			CH2M HILL	1	Aquatic Scientist	10.0	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	Ε,	
JOI	A Company of the Comp				THIS DATE< INCL CON'T SHEETS	71.00	
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO			
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK		
WAS CRANE/MAN	LIFT/TRENCHIN	■ NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5688.0	
		ist showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM		
•		L/WASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	5759.00	
(If YES attach descript				YES_ NO		0.00.00	
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE		
Activity No.	— TIAVE BEEN NIET.						
		ent checks of equipment prior to use as require					
		fety huddle" held at beginning of day to discuss		rk to be performed.			
	Weldon Diggs	s held a job Safety Meeting on our Safety Polic	cies.				
		EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)		
Schedule	Submittal #	Description of Equipment/Material Received					
Activity No.							
	1700	Received 136 barge delivered by The Hoss to	onight				
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	D SCHEDULE ACT	IVITY NUMBER.		
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	lodel)		Hours Used	
Activity No.							
	McLean	Weldon Diggs Truck (P344L)				10	
	McLean	David Davis (P338L)				10	
	McLean	CC87(127Ton Lima)				10	
	McLean	SC130 (barge under the crane)				10	
	McLean	BU85 (Enviro Bucket)				10	
	McLean	WB39 (Work Boat)				10	
	McLean	JB46 (Jack boat)				10	
Schedule	REMARKS					•	
Activity No.	Dan Miller (sa	afety) came by the site					
·	Ì						
	+						
	+						
	+						
	+						
			David J. 9	Darrio	4/4/2013		
						<u>-</u>	
			CONTRACTOR/SUI	PEKIN I ENDENT	DATE		

	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)					7
CONTRACT NO					4/9/2013)
N40085-12-C-700	0.4	Little Creek Maintence Dredgin	10		REPORT NO.	172
	U4	Little Creek Maintence Dreagn	Ī		KLFOKT NO.	172
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	D:	DAYO WORKED	404
		IDM WEATHER	Carl Weldo		DAYS WORKED	101
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY		<u> </u>	
Schedule Activity No.	WC	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 17 Removed an additional 349a		1	Superintendent	10.0
		3 yards from 18 and placed 922 yards into	McLean	1	QC Manager	10.0
	the sc136 bar	rge	McLean	1	Crane Operator	10.0
			McLean	1	Deck Hands	30.0
			McLean MoLean	2	Safety Director	
			McLean McLean	1	Electrican Mechanic	1.5
			McLean	1	Welder	1.5
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			OT IZIVIT HILL	<u>'</u>	Aquatic Ocientist	10.0
	<u> </u>	WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOI	3	When took on an incentional income	5/112.	✓ YES NO	THIS DATE< INCL CON'T SHEETS	71.50
SAFE	X	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		71.50
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	5759.0
•		st showing inspection performed.*Crane checklist to	•		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5830.50
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
, , , , , , , , , , , , , , , , , , ,	Daily equipme	ent checks of equipment prior to use as require	ed.		<u> </u>	
		ety huddle" held at beginning of day to discuss		rk to be performed.		
		s held a job Safety Meeting on our Safety Police				
		, , , , ,				
		EIVED TODAY TO BE INCORPORATED IN JO Description of Equipment/Material Received	OB (INDICATE SCHEDU	JLE ACTIVITY NUM	ИBER)	
Activity No.						
	1700	Received 141 barge delivered by The Hoss to	omorrow mourning			
Schedule	N AND PLANT Owner	Description of Construction Equipment Used			IVITY NUMBER.	Hours Used
Activity No.	McLean	Weldon Diggs Truck (P344L)				10
	McLean McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	OD-10 (GUON DOUL)				10
Activity No.		ne on site to work on crane				
7.0.17.19 140.		of debris in 17 and 18				
	, , , , , , , , , , , , , , , , , , ,					
			David J. F CONTRACTOR/SUF		4/9/2013 DATE	

CONTRACTOR PRODUCTION REPORT					Wednesday 4/10/2013	
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		4/10/201	3
CONTRACT NO N40085-12-C-70		TITLE AND LOCATION Little Creek Maintence Dredgii	na		REPORT NO.	173
	04	Little Creek Maintence Dreagn	ĭ		KLFOKT NO.	173
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	n Dinna	DAVE WORKED	102
AM WEATHER		IPM WEATHER	Carl Weldo		DAYS WORKED MIN TEMP (F)	102
				. ,		
	1 1440		ERFORMED TODAY			T
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 18. Removed an additional 108		1	Superintendent	10.0
	yards from 18	Placed material into the SC141 barge	McLean	1	QC Manager	10.0
			McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	1	Mechanic	0.5
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		-				
		WAS A JOB SAFETY MEETING HELD THIS	S DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
JO	١.				THIS DATE< INCL CON'T SHEETS	70.50
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHI	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5830.5
(If YES attach state	ement or checkl	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5901.00
(If YES attach descript	tion of incident and	proposed action.)				!
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CHONS CONDUCTED		SAFETY REQUIRE	
Activity No.					HAVE BEEN M	IEI.
		ent checks of equipment prior to use as requir				
		fety huddle" held at beginning of day to discuss		k to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Police	cies.			
		EIVED TODAY TO BE INCORPORATED IN J		LE ACTIVITY NUM	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 142 barge delivered by The Hoss to	omorrow mourning			
CONSTRUCTIO	N AND PLAN	FEQUIPMENT ON JOB SITE TODAY. INDIC.	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mo	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	,				
Activity No.	Welder came	e on site to inspect sheaves				
,		<u>'</u>				
	1					
			David J. R	Danie	4/40/0040	
					4/10/2013	-
0014511:== ===	NA 04 175 : :	(0.0)	CONTRACTOR/SUP	'ERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT					Thursday 4/11/2013	
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		4/11/2013	3
CONTRACT NO		TITLE AND LOCATION			DEDODE NO	474
N40085-12-C-70	04	Little Creek Maintence Dredgin	ng T		REPORT NO.	174
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			400
			Carl Weldo		DAYS WORKED	103
AM WEATHER		PM WEATHER	MAX IE	EMP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 18. Removed an additional	McLean	1	Superintendent	10.0
		the 142 barge. Spent half the day	McLean	1	QC Manager	10.0
		e crane. Finished dredging cell 18 and finished		1	Crane Operator	10.0
	dredging Des	eri Cove.	McLean	3	Deck Hands	30.0
			McLean	2	Safety Director	
			McLean McLean	1	Electrican Mechanic	
			McLean	1	Welder	6.0
			McLean	1	Engineer	0.0
			CH2M HILL	1	Aquatic Scientist	10.0
			OFIZIVITILL	'	Aquatic Ocientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	<u>I</u> Е.
JOI	В			✓ YES NO	THIS DATE< INCL CON'T SHEETS	76.00
SAFE	N N	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		70.00
WAS CRANE/MAN	LIET/TDENCLUA	If YES attach copy of completed OSHA report) IG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	IODK DONES		CUMULATIVE TOTAL OF WORK	5004.0
				✓ YES NO	HOURS FROM PREVIOUS RPT	5901.0
•		ist showing inspection performed.*Crane checklist to	•		TOTAL WORK HOURS FROM	5077.00
		L/WASTE RELEASED INTO THE ENVIRONM	IEN I ?	☐ YES ✓ NO	START OF CONSTRUCTION	5977.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as require	ed.			
	Pre work "saf	ety huddle" held at beginning of day to discuss	s potential hazards in wo	ork to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polic	cies.			
Schedule		EIVED TODAY TO BE INCORPORATED IN JO Description of Equipment/Material Received	OB (INDICATE SCHEDI	ULE ACTIVITY NUN	/IBER)	
Activity No.	4700	Described as house delicered by The Head				
	1700	Received no barge delivered by The Hoss				
	<u> </u>					
CONSTRUCTION	N AND DI ANT	<u>I</u> EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOLIDS LISED ANI		IV/ITV NII IMBED	
Schedule Activity No.	Owner	Description of Construction Equipment Used			WITT NOWIBER.	Hours Used
,	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.	Welder came	on site to weld on sheaves				
	<u> </u>					
	 					
	 					
			David 1. S		4/11/2013 DATE	-

	CONTRACTOR PRODUCTION REPORT					•
		(ATTACH ADDITIONAL SHEETS IF NE	CCESARY)		4/12/201	3
CONTRACT NO		TITLE AND LOCATION	oino		DEDORT NO	175
N40085-12-C-70	04	Little Creek Maintence Dred	ging		REPORT NO.	175
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYOMODKED	404
		DANAGATUED	Carl Weldo		DAYS WORKED	104
AM WEATHER	windy	PM WEATHER windy	MAX TEN	MP (F)	MIN TEMP (F)	
		, and the second	PERFORMED TODAY		1	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Started dredi	ing again in cell 8. Placed an additional	McLean	1	Superintendent	8.0
		to the 142 barge. Total in the barge is	McLean	1	QC Manager	8.0
	809 yards.		McLean	1	Crane Operator	8.0
			McLean	3	Deck Hands	24.0
			McLean	1	Safety Director	
			McLean	1	Electrican	
			McLean McLean	1	Mechanic Welder	
			McLean	1	Engineer	<u> </u>
			CH2M HILL	1	Aquatic Scientist	8.0
			CHZWITILL	'	Aquatic Scientist	0.0
	'	WAS A JOB SAFETY MEETING HELD TH	HIS DATE?		TOTAL WORK HOURS ON JOB SIT	E.
JO	В			✓ YES NO	THIS DATE< INCL CON'T SHEETS	56.00
SAFE	١	WERE THERE ANY LOST TIME ACCIDE	NTS THIS DATE?	☐ YES ✓ NO	THIS BATES INCE CONT CHEETS	30.00
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		(If YES attach copy of completed OSHA report)	NTO THIS DATE:		CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	IL IET/TRENCHI	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT	T WORK DONE?	✓ YES □ NO	HOURS FROM PREVIOUS RPT	5977.0
		list showing inspection performed.*Crane checklis			TOTAL WORK HOURS FROM	3977.0
•		L/WASTE RELEASED INTO THE ENVIRON	•	☐ YES ✓ NO	START OF CONSTRUCTION	6033.00
(If YES attach descript			NIVILINI:	L YES VINO	START OF CONSTRUCTION	0000.00
						<u> </u>
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INS	PECTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.					HAVE BEEN M	IET.
		nent checks of equipment prior to use as req				
		afety huddle" held at beginning of day to disci		k to be performed.		
	Weldon Digg	gs held a job Safety Meeting on our Safety Po	olicies.			
=0D.4==#					1050)	
		EIVED TODAY TO BE INCORPORATED IN		ILE ACTIVITY NUI	VIBER)	
	Submittal #	Description of Equipment/Material Receive	ea			
Activity No.	1700	Possived no harge delivered by The Hoss				
	1700	Received no barge delivered by The Hoss				
CONSTRUCTIO	N AND PLANT	<u> </u>	ICATE HOURS USED AND	SCHEDIJI E ACT	IVITY NI IMBER	
Schedule	Owner	Description of Construction Equipment Us			TVTT T NOIVIDEIX.	Hours Used
Activity No.	OWING	Description of Constitution Equipment Co.	ed reday (morniale and me	Sacij		110015 0500
riotivity rto.	McLean	Weldon Diggs Truck (P344L)				8
	McLean	David Davis (P338L)				8
	McLean	CC87(127Ton Lima)				8
	McLean	SC130 (barge under the crane)				8
	McLean	BU85 (Enviro Bucket)				8
	McLean	WB39 (Work Boat)				8
	McLean	JB46 (Jack boat)				8
Schedule	REMARKS	•				•
Activity No.						
						
				~		
			David J. R	Javio	4/12/2013	_
			CONTRACTOR/SUF	PERINTENDENT	DATE	
0014511155 505	2142450 : 12	(0.0)			OUEET 4 (o	_

CONTRACTOR PRODUCTION REPORT					Monday 4/15/2013	
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		4/15/201	<u>. </u>
CONTRACT NO N40085-12-C-70		TITLE AND LOCATION Little Creek Maintence Dredgi	ina		REPORT NO.	178
	04	ETTTE CI EER Maintence Di Eag	Ĭ		INLI OKT NO.	170
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	Diam.	DAVE WORKED	105
AM WEATHER		PM WEATHER	Carl Weldon MAX TEMP	~ ~ ~	DAYS WORKED MIN TEMP (F)	105
ANI WEATHER		I W VEXITIES	W/ OX TEIWI	(')	(1)	
			PERFORMED TODAY	_	_	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Moved crane	e to cell 15. Removed 403 yards from cell 15.	McLean	1	Superintendent	10.0
		ll 10. Removed 445 yards from cell 10.	McLean	1	QC Manager	10.0
	Will finish loa	ading barge tomorrow.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	1	Mechanic	2.0
			McLean	1	Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THI				_
10	B .	WAS A JOB SAFETY MEETING HELD THIS	S DATE?	✓ YES 🗌 NO	TOTAL WORK HOURS ON JOB SIT	
JO	The state of the s			¬	THIS DATE< INCL CON'T SHEETS	72.00
SAFE	= 11	WERE THERE ANY LOST TIME ACCIDEN	TS THIS DATE?	YES ✓ NO		
		(If YES attach copy of completed OSHA report)	_		CUMULATIVE TOTAL OF WORK	
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V		✓ YES □ NO	HOURS FROM PREVIOUS RPT	6033.0
•		list showing inspection performed.*Crane checklist	•		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRONI	MENT?	_ YES ✓ NO	START OF CONSTRUCTION	6105.00
(If YES attach descript	tion of incident and	proposed action.)				
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSP	FCTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
,	Daily equipm	nent checks of equipment prior to use as requi	red.		_	
		fety huddle" held at beginning of day to discus		to be performed		
		gs held a job Safety Meeting on our Safety Pol		to be periorined	•	
		ge mere a jew carety meeting en ear carety r er				
FQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN	IOB (INDICATE SCHEDULE	ACTIVITY NU	MBFR)	
		Description of Equipment/Material Received			NDER()	
Activity No.	0 0 0 1 1 1 1 1 1 1	2 ccompaint of 2 quipmont material reconstruction				
· ····································	1700	Received SC136 barge delivered by The Ho	ss over the weekend			
CONSTRUCTIO	N AND PLAN	T EQUIPMENT ON JOB SITE TODAY. INDIC	CATE HOURS USED AND S	CHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used				Hours Used
Activity No.		, , , , , , , , , , , , , , , , , , ,		- /		
•	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					•
Activity No.	Mechanic ca	me on site and worked on the crane.				
			David J. De	avio	4/15/2013	
			CONTRACTOR/SUPE		DATE	-
0011011100 - 0	1	2(00)	CONTRACTOR/SUPE	MATERIAL	OUEET 4 (a	

CONTRACTOR PRODUCTION REPORT					Tuesday	
		(ATTACH ADDITIONAL SHEETS IF NECC	4/16/201	3		
CONTRACT NO		TITLE AND LOCATION				4-0
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	179
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		McLean Contracting Company	Carl Weldon D		DAYS WORKED	106
AM WEATHER		PM WEATHER	MAX TEMP	(F)	MIN TEMP (F)	
		WORK PE	DECRUED TODAY			
Schedule	l wo	PRK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS
Activity No.		THE EGGETTION AND BEGGINE FIGHT	LIVII LOTEIX	NOMBER	ITADE	11110
1700		to cell 13 and removed additional 258 yards	McLean	1	Superintendent	10.0
		to the SC136 barge. Finished loading 136.	McLean	1	QC Manager	10.0
		n the 136 barge is 1106. Moved crane to cell 14 ards into the 141 barge from cell 14. Moved to	McLean McLean	3	Crane Operator Deck Hands	10.0 30.0
		ed 9 removed 294 yds. Totatl of 516 into the 14	McLean	1	Safety Director	30.0
		Total dredged today 774 yards.	McLean	2	Electrican	
		<u> </u>	McLean	1	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE2 -		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOI	B	WAS A JOB SAI ETT WEETING HEED ITIIS	DATE:	YES NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	\ \	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	YES 🗸 NO	THIS DATE INCL CONT SHEETS	70.00
57		(If YES attach copy of completed OSHA report)	JIIIO DAIL:] 123 NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	I(") SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WO	ORK DONE?	YES NO	HOURS FROM PREVIOUS RPT	6105.0
		st showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	_/WASTE RELEASED INTO THE ENVIRONME	ENT?	YES 🗹 NO	START OF CONSTRUCTION	6175.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
	Daily equipme	ent checks of equipment prior to use as require	d.		-	
		ety huddle" held at beginning of day to discuss		be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polici	es.			
EO	TEDIAL DEGE	-WED TODAY TO DE MOODDODATED M. 10	ND (INDIOATE COLUEDINE	A OTIV (IT) (A II II	1050)	
		EIVED TODAY TO BE INCORPORATED IN JC Description of Equipment/Material Received	OB (INDICATE SCHEDULE	ACTIVITY NUM	MBER)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity 140.	1700	R.eceived SC141 barge delivered by The Hos	s today			
		j	,			
		EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	•
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Model	l)		Hours Used
Activity No.	Malaan	Wolden Digge Truck (D2441)				40
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10 10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.						
			0 -110	150.00		
			David J. Da		4/15/2013	_
			CONTRACTOR/SUPER	RINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT					Wednesday 4/17/2013			
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		4/17/2013	3		
CONTRACT NO		TITLE AND LOCATION				100		
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	180		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
		Wolfan Contracting Company	Carl Weldon [Diggs	DAYS WORKED	107		
AM WEATHER		PM WEATHER	MAX TEMP	(F)	MIN TEMP (F)			
		WORK B	PERFORMED TODAY					
Schedule	WC	ORK LOCATION AND DESCRIPTION	I EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
1700		to cell 7 and removed additional 123 yards not the SC141 barge.Moved to cell 3 and	McLean	1	Superintendent	10.0		
		s yards. Loaded a total of 1217 yards into	McLean McLean	1 1	QC Manager Crane Operator	10.0 10.0		
		e. Moved 141 barge to pier 4 and positioned	McLean	3	Deck Hands	30.0		
		st side of cell 2.	McLean	1	Safety Director			
			McLean	2	Electrican			
			McLean	1	Mechanic			
			McLean	1	Welder			
			McLean CH2M HILL	1 1	Engineer	10.0		
			CHZIVI HILL	1	Aquatic Scientist	10.0		
		WAS A JOB SAFETY MEETING HELD THIS	B DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	I E,		
JO	В		V	JYES INO	THIS DATE< INCL CON'T SHEETS	70.00		
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	ΓS THIS DATE? □	YES ✓ NO				
		(If YES attach copy of completed OSHA report)	_		CUMULATIVE TOTAL OF WORK			
WAS CRANE/MAN	ILIFT/TRENCHI	_ NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V	VORK DONE? ✓	YES NO	HOURS FROM PREVIOUS RPT	6175.0		
•		ist showing inspection performed.*Crane checklist t	•	. —	TOTAL WORK HOURS FROM			
		L/WASTE RELEASED INTO THE ENVIRONM	MENT?	YES ✓ NO	START OF CONSTRUCTION	6245.00		
(If YES attach descript	tion of incident and	proposed action.)						
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	ECTIONS CONDUCTED		SAFETY REQUIRE			
Activity No.		HAVE BEEN MET.						
		ent checks of equipment prior to use as requir						
		fety huddle" held at beginning of day to discus s held a job Safety Meeting on our Safety Poli		o be performed	•			
	Weldon Digg	s field a job Salety Meeting on our Salety Folk	ules.					
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDULE	ACTIVITY NUI	MBER)			
		Description of Equipment/Material Received			,			
Activity No.								
	1700	R.eceived SC141 barge delivered by The Ho	oss today					
CONSTRUCTIO		L FEQUIPMENT ON JOB SITE TODAY. INDIC	ATE HOUDS LISED AND SO		IIVITV NII IMDED			
Schedule	Owner	Description of Construction Equipment Used			IVIII NUMBER.	Hours Used		
Activity No.	OWING	Description of Construction Equipment Cocc	roday (mormano and mode	1)		Tiodis osca		
,	McLean	Weldon Diggs Truck (P344L)				10		
	McLean	David Davis (P338L)			-	10		
	McLean	CC87(127Ton Lima)	-			10		
	McLean	SC130 (barge under the crane)				10		
	McLean McLean	BU85 (Enviro Bucket) WB39 (Work Boat)				10 10		
	McLean	JB46 (Jack boat)				10		
Schedule	REMARKS	02.10 (00011.2001)						
Activity No.								
			David J. Do	rio	4/17/2013			
			CONTRACTOR/SUPER		DATE	-		
	1	(00)	55 61510001 E1		OUEET 4 (o			

CONTRACTOR PRODUCTION REPORT					Thursday 4/18/2013	
		(ATTACH ADDITIONAL SHEETS IF NECC	4/18/2013	3		
CONTRACT NO		TITLE AND LOCATION	_		DEDODE NO	404
N40085-12-C-700)4	Little Creek Maintence Dredgin	9		REPORT NO.	181
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			400
******			Carl Weldor		DAYS WORKED	108
AM WEATHER		PM WEATHER	MAX TEN	ИР (F)	MIN TEMP (F)	
		WORK PE	RFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	Started dredg	ging in cell 2 and removed additional 646 yards	McLean	1	Superintendent	10.0
		to cell 6 and removed an additional 464 yards. I in the 142 barge 1110 yards		1	QC Manager	10.0
	Total material	Till the 142 barge 1110 yards	McLean McLean	3	Crane Operator Deck Hands	10.0 30.0
			McLean	1		30.0
			McLean	2	Safety Director Electrican	
			McLean	1	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			OT IZIVI T IIIZZ	·	7 iqualio Colornioi	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	- I VEG NO	TOTAL WORK HOURS ON JOB SIT	<u>. </u>
JOE	3			✓ YES NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	N. C.	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		7 0100
MAS CDANE/MANI	LIET/TDENICHIN	I(If YES attach copy of completed OSHA report) IG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WO	ODK DONES	[] VEd No	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS RPT	6245.0
		st showing inspection performed. *Crane checklist to		✓ YES NO	TOTAL WORK HOURS FROM	6245.0
•		st snowing inspection performed. Crane checklist to _/WASTE RELEASED INTO THE ENVIRONME	•			6315.00
			INT:	☐ YES ✓ NO	START OF CONSTRUCTION	0313.00
(If YES attach description						
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
	Daily equipment checks of equipment prior to use as required.					
		ety huddle" held at beginning of day to discuss		k to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polici	es.			
Schedule		EIVED TODAY TO BE INCORPORATED IN JO Description of Equipment/Material Received	DB (INDICATE SCHEDU	LE ACTIVITY NUM	MBER)	
Activity No.	4700	D : 1004401 15 11 Ti 11	a			
	1700	Received SC142 barge delivered by The Hoss	s this mourning			
CONCEDUCTION		<u> </u> EQUIPMENT ON JOB SITE TODAY. INDICA	TE LIQUIDE LICED AND		N/ITV NII IMPED	
Schedule Activity No.	Owner	Description of Construction Equipment Used			VII I NUMBER.	Hours Used
,	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					•
Activity No.						
						<u> </u>
				×		
			David J. R CONTRACTOR/SUP		4/18/2013 DATE	

CONTRACTOR PRODUCTION REPORT					Monday 4/22/2013	
001170107110		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		4/22/201	<u> </u>
CONTRACT NO	0.4	TITLE AND LOCATION			DEDORT NO	185
N40085-12-C-70	04	Little Creek Maintence Dredgin	ĭ		REPORT NO.	100
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			400
		Januariana	Carl Weldo		DAYS WORKED	109
AM WEATHER		PM WEATHER	MAX IE	MP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700	No dredging	or placing sand, worked on securing curtain.	McLean	1	Superintendent	2.5
		, ,	McLean	1	QC Manager	3.5
			McLean	1	Crane Operator	2.5
			McLean	3	Deck Hands	11.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	1	Mechanic	
			McLean	1	Welder	3.0
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	2.5
		1				
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	-
JOI	A Company of the Comp				THIS DATE< INCL CON'T SHEETS	25.00
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6315.0
(If YES attach state	ement or checkli	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	6340.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
ŕ	Daily equipme	ent checks of equipment prior to use as require	ed.			
		fety huddle" held at beginning of day to discuss		rk to be performed		
		s held a job Safety Meeting on our Safety Police		to 20 portormour		
	110.00.12.99					
EQUIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
		Description of Equipment/Material Received	02 (,	
Activity No.						
The state of the s	1700					
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	D SCHEDULE ACT	VITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	lodel)		Hours Used
Activity No.		' ' '	, (,		
-	McLean	Weldon Diggs Truck (P344L)				3
	McLean	David Davis (P338L)				3
	McLean	CC87(127Ton Lima)				3
	McLean	SC130 (barge under the crane)				3
	McLean	BU85 (Enviro Bucket)				3
	McLean	WB39 (Work Boat)				3
	McLean	JB46 (Jack boat)				3
Schedule	REMARKS	,				
Activity No.	Welder came	in to weld on clam shell bucket				
			David J. 9	Navio	4/22/2013	
			CONTRACTOR/SU		DATE	•

CONTRACTOR PRODUCTION REPORT					Tuesday 4/23/2013			
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		4/23/201	<u> </u>		
CONTRACT NO N40085-12-C-70	04	TITLE AND LOCATION Little Creek Maintence Dredgi	na		REPORT NO.	186		
		Errie of eak Manifelies Breagi	Ī		INET ORTHO:	100		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	3 :	DAVE WORKED	110		
AM WEATHER		PM WEATHER	Carl Weldon D		DAYS WORKED MIN TEMP (F)	110		
AW WEATHER		I W WEATHER	WAX TEINI	(1)	IVIII (I)			
			ERFORMED TODAY		_			
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
1700	No dredging	or placing sand, worked on securing curtain.	McLean	1	Superintendent	4.0		
			McLean	1	QC Manager	4.0		
			McLean	1	Crane Operator	4.0		
			McLean	3	Deck Hands	12.0		
			McLean	1	Safety Director			
			McLean	2	Electrican			
			McLean	1	Mechanic			
			McLean	1	Welder			
			McLean	1	Engineer	4.0		
			CH2M HILL	1	Aquatic Scientist	4.0		
		DAVAG A TOP GAFETY MEETING HELD THE	DATES -					
10		WAS A JOB SAFETY MEETING HELD THIS	S DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT			
JOI	\ \				THIS DATE< INCL CON'T SHEETS	28.00		
SAFE	:11	WERE THERE ANY LOST TIME ACCIDENT	rs this date?	YES 🗸 NO				
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK			
WAS CRANE/MAN	LIFT/TRENCHI	_ NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V	VORK DONE? ✓	YES NO	HOURS FROM PREVIOUS RPT	6340.0		
(If YES attach state	ement or checkl	ist showing inspection performed.*Crane checklist to	o be attached weekly.		TOTAL WORK HOURS FROM			
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRONN	MENT?	YES ✓ NO	START OF CONSTRUCTION	6368.00		
(If YES attach descript	ion of incident and	proposed action.)						
Schedule	LICT CAEE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS		
Activity No.	LIST SALL	IT ACTIONS TAKEN TODAT/SAFETT INSFE	CHOINS CONDUCTED		HAVE BEEN M			
Activity No.	Doily oguinm	paily equipment checks of equipment prior to use as required.						
		fety huddle" held at beginning of day to discus		o be performed	•			
	weldon Digg	s held a job Safety Meeting on our Safety Poli	cies.					
EOLUDIAENT/NAA	TEDIAL DEC	ENVED TODAY TO BE INCORDED ATER IN I	OR (INDIOATE COLIEDIUS	A OTIV (IT) / NII II	ADED)			
		EIVED TODAY TO BE INCORPORATED IN J		ACTIVITY NO	VIBER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.	4700							
	1700							
001070110710			ATE		W (III) (A III III III III III III III III III			
	1	FEQUIPMENT ON JOB SITE TODAY. INDIC			IVITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (Incl Make and Mode	el)		Hours Used		
Activity No.		Malda Binna Tarah (D0441)						
	McLean	Weldon Diggs Truck (P344L)				3		
	McLean	David Davis (P338L)				3		
	McLean	CC87(127Ton Lima)				3		
	McLean	SC130 (barge under the crane)				3		
	McLean	BU85 (Enviro Bucket)				3		
	McLean	WB39 (Work Boat)				3		
Calaaduda	McLean	JB46 (Jack boat)				3		
Schedule	REMARKS	in to world on plans about by also						
Activity No.	vveider came	e in to weld on clam shell bucket						
			0 -110	- 11-				
			David J. Da		4/23/2013	_		
			CONTRACTOR/SUPER	RINTENDENT	DATE			
0014511455 505	21404450 1 12	(00)			OUEEE 4 (o			

CONTRACTOR PRODUCTION REPORT					Wednesday 4/24/2013			
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		4/24/201	<u> </u>		
CONTRACT NO N40085-12-C-70	04	TITLE AND LOCATION Little Creek Maintence Dredgin	ng		REPORT NO.	187		
CONTRACTOR			SUPERINTENDENT					
CONTRACTOR		McLean Contracting Company	Carl Weldon	Digge	DAYS WORKED	111		
AM WEATHER		PM WEATHER	MAX TEM		MIN TEMP (F)			
Cabadula	\\\(C	WORK PE DRK LOCATION AND DESCRIPTION	RFORMED TODAY	NUMBER	TDADE	LIDC		
Schedule Activity No.	VVC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
· ····································		the Bid Option area to desert cove and started	McLean	1	Superintendent	10.0		
	placing sand	in cell17. Placed about 440 yards in to cell 17	McLean	1	QC Manager	10.0		
			McLean McLean	3	Crane Operator Deck Hands	10.0 30.0		
			McLean	1	Safety Director	30.0		
			McLean	2	Electrican			
			McLean	1	Mechanic			
			McLean	1	Welder			
			McLean	1	Engineer			
			CH2M HILL	1	Aquatic Scientist	10.0		
		IMAC A JOD CAFETY MEETING HELD THIC	DATES			_		
JOI	R	WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT			
SAFE	1	NAMEDE THERE AND LOCK TIME ACCIDENT	C TUIC DATES		THIS DATE< INCL CON'T SHEETS	70.00		
JAI L		WERE THERE ANY LOST TIME ACCIDENTS (If YES attach copy of completed OSHA report)	S INIS DATE?	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK			
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6368.0		
		ist showing inspection performed.*Crane checklist to		L ILS_ NO	TOTAL WORK HOURS FROM	0000.0		
•		L/WASTE RELEASED INTO THE ENVIRONMI	•	☐ YES ✓ NO	START OF CONSTRUCTION	6438.00		
(If YES attach descript	ion of incident and	proposed action.)						
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS		
Activity No.	2.01 0/11 2	HAVE BEEN MET.						
	Daily equipm	quipment checks of equipment prior to use as required.						
	Pre work "sat	fety huddle" held at beginning of day to discuss	potential hazards in work	to be performed.				
	Weldon Digg	s held a job Safety Meeting on our Safety Polic	ies.					
		EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDUL	E ACTIVITY NUN	MBER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.		Received a sand barge from Vulcan deliver by	v Intra coastal					
		Received a saina barge from valeari deliver b	y initia coastai					
CONSTRUCTIO	N AND PLANT	FEQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mod	del)		Hours Used		
Activity No.								
	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10.0 10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean	WB39 (Work Boat)				10.0		
	McLean	JB46 (Jack boat)				10.0		
Schedule	REMARKS							
Activity No.								
	1							
	1							
			Ravid J. R	avio	4/24/2013			
			CONTRACTOR/SUPE		DATE	-		
		(00)			OUEET / /			

	CONTRACTOR PRODUCTION REPORT					y		
		(ATTACH ADDITIONAL SHEETS IF NECC	4/25/2013	3				
CONTRACT NO		TITLE AND LOCATION			DEDODENIA	400		
N40085-12-C-700	04	Little Creek Maintence Dredgin	9		REPORT NO.	188		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
		mozoan contracting company		don Diggs	DAYS WORKED	112		
AM WEATHER		PM WEATHER	MAX T	ΓEMP (F)	MIN TEMP (F)			
		WORK PE	RFORMED TODAY					
Schedule	WO	PRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
		dredge in cell 17. Completed cell 17, placed 4 yards in to cell 17 and placed total of 595 yard	McLean McLean	1 1	Superintendent QC Manager	10.0 10.0		
		18 and started placing sand. Placed 441yards	McLean	1	Crane Operator	10.0		
	cell 18. Total	placed today 595	McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
			McLean	2 2	Electrican	2.0		
			McLean McLean	1	Mechanic Welder	3.0		
			McLean	1	Truck Driver	2.0		
			CH2M HILL	1	Aquatic Scientist	10.0		
		I						
JOI		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT			
SAFE	1	WERE THERE ANY LOST TIME ACCIDENTS	THIS DATES		THIS DATE< INCL CON'T SHEETS	75.00		
5/11		(If YES attach copy of completed OSHA report)	STHIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK			
				✓ YES NO	HOURS FROM PREVIOUS RPT	6438.0		
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM			
WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	6513.00		
(If YES attach descripti	ion of incident and	proposed action.)						
Schedule	e LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREME							
Activity No.	— TIAVE BEEN WET.							
	Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.							
		s held a job Safety Meeting on our Safety Polici	•	vork to be performed.				
	TTOIGON Diggs	e note a job carety meeting on our carety i end	.					
		EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHE	DULE ACTIVITY NUM	(BER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.								
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA			VITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used		
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean	David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean McLean	WB39 (Work Boat) JB46				10.0 10.0		
	Rental	Bobcat				10.0		
Schedule	REMARKS					•		
Activity No.		me on site to repair an air leak on the crane.						
	Truck driver of	delivered a bobcat for cleaning out the sand bar	ge.					
			A -11	Ossi-				
			Pavid J.		4/25/2013	-		
			CONTRACTOR/S	UPERINTENDENT	DATE			

CONTRACTOR PRODUCTION REPORT					Friday			
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		4/26/2013	3		
CONTRACT NO		TITLE AND LOCATION			D=D0D= \\0	400		
N40085-12-C-700	04	Little Creek Maintence Dredgin	9		REPORT NO.	189		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
			Carl Weldor		DAYS WORKED	113		
AM WEATHER		PM WEATHER	MAX TEN	1P (F)	MIN TEMP (F)			
		WORK PE	RFORMED TODAY					
Schedule	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.	Continued to	dredge in cell 18. Completed cell 18, placed	McLean	1	Superintendent	10.0		
	additional 175	Syards in to cell 18 and placed total of 616 yards	McLean	1	QC Manager	10.0		
		19 and started placing sand. Placed 301yards	McLean	1	Crane Operator	10.0		
	cell 18. Total	placed today 476yards	McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
			McLean MoLean	1 1	Electrican			
			McLean McLean	1	Mechanic Welder			
			McLean	1	Truck Driver			
			CH2M HILL	1	Aquatic Scientist	10.0		
			<u> </u>		/ iqualio colonilos			
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,		
JOI	3			YESINO	THIS DATE< INCL CON'T SHEETS	70.00		
SAFE	:TY /	WERE THERE ANY LOST TIME ACCIDENTS	STHIS DATE?	☐ YES ✓ NO				
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK			
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE?			✓ YES NO	HOURS FROM PREVIOUS RPT	6513.0			
(If YES attach statement or checklist showing inspection performed.*Crane checklist to be attached weekly.					TOTAL WORK HOURS FROM			
WAS HAZARDO	US MATERIAL	_/WASTE RELEASED INTO THE ENVIRONME	ENT?	YES NO	START OF CONSTRUCTION	6583.00		
(If YES attach descripti	ion of incident and	proposed action.)			'			
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAF					MENTS		
Activity No.	HAVE BEEN MET.							
,	Daily equipment checks of equipment prior to use as required.							
		ety huddle" held at beginning of day to discuss		to be performed.				
		s held a job Safety Meeting on our Safety Polici		·				
EQUIPMENT/MA		EIVED TODAY TO BE INCORPORATED IN JC	B (INDICATE SCHEDUL	LE ACTIVITY NUM	(BER)			
Schedule	Submittal #	Description of Equipment/Material Received						
Activity No.								
CONCEDUCTION	I AND DI ANT	<u> </u> EQUIPMENT ON JOB SITE TODAY. INDICA	TE LIQUIDO LICED AND	COLIEDUI E ACT	VITV NI IMPED			
Schedule	Owner	Description of Construction Equipment Used 1			VIIY NUMBER.	Hours Used		
Activity No.	Owner	Description of Construction Equipment Osed	louay (Ilici wake aliu wo	uei)		Hours Osea		
Activity 140.	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean	David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean	WB39 (Work Boat)				10.0		
	McLean	JB46				10.0		
	Rental	Bobcat				10.0		
Schedule	REMARKS							
Activity No.								
		_						
			David J. R	ario	4/26/2013			
			CONTRACTOR/SUP		DATE	-		
	L	()	551110101010001		DATE			

CONTRACTOR PRODUCTION REPORT					Friday 4/29/2013		
	(ATTACH ADDITIONAL SHEETS IF NECCESARY)					3	
CONTRACT NO		TITLE AND LOCATION			DEDODENIO	400	
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng '		REPORT NO.	192	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT				
			Carl Weldon D		DAYS WORKED	114	
AM WEATHER		PM WEATHER	MAX TEMP	(F)	MIN TEMP (F)		
		WORK P	I ERFORMED TODAY		<u> </u>		
Schedule	WC	PRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
Activity No.	0 " 11						
	cell 20. Place	dredge in cell 19 and started placing in ed an additional 70 yards in 19 and placed	McLean McLean	1 1	Superintendent QC Manager	10.0 10.0	
	98 yards into		McLean	1	Crane Operator	10.0	
	Total placed t	today 168 yards	McLean	3	Deck Hands	30.0	
			McLean	1	Safety Director		
			McLean	1	Electrican		
			McLean	1	Mechanic		
			McLean McLean	1	Welder Truck Driver		
			CH2M HILL	1 1	Aquatic Scientist	10.0	
			OTIZIVITIEE	· ·	/ iquatio Golerniat	10.0	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	E,	
JOI	١				THIS DATE< INCL CON'T SHEETS	70.00	
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES ✓ NO			
		(If YES attach copy of completed OSHA report)	_	. —	CUMULATIVE TOTAL OF WORK		
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE? ✓	YES NO	HOURS FROM PREVIOUS RPT	6513.0	
•		ist showing inspection performed.*Crane checklist to	•	. —	TOTAL WORK HOURS FROM		
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	YES ✓ NO	START OF CONSTRUCTION	6583.00	
(If YES attach descript	ion of incident and	proposed action.)					
Schedule							
Activity No.	— HAVE BEEN MET.						
		ent checks of equipment prior to use as require					
		fety huddle" held at beginning of day to discuss s held a job Safety Meeting on our Safety Polic		be performed.			
	weldon biggs	s field a job Safety Meeting on our Safety Police	des.				
FQUIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDULE	ACTIVITY NUM	MBFR)		
Schedule	Submittal #	Description of Equipment/Material Received	(,		
Activity No.							
CONSTRUCTION	NI ANID DI ANIT	L FEQUIPMENT ON JOB SITE TODAY. INDICA	ATE LIQUIDE LICED AND CO	SUEDIII E ACT			
Schedule	Owner	Description of Construction Equipment Used			IVII Y NUMBER.	Hours Used	
Activity No.	OWNER	Description of Construction Equipment Caca	Today (incl wake and wode)	1)		110013 0300	
	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean	David Davis (P338L)				10.0	
	McLean	CC87(127Ton Lima)		<u>-</u> -		10.0	
	McLean	SC130 (barge under the crane)				10.0	
	McLean	BU85 (Enviro Bucket)				10.0 10.0	
	McLean McLean	WB39 (Work Boat) JB46				10.0	
	Rental	Bobcat				10.0	
Schedule	REMARKS						
Activity No.							
			David J. Da	rio	4/29/2013		
			CONTRACTOR/SUPER		DATE	-	
		(==)		=:::			

CONTRACTOR PRODUCTION REPORT					Tuesday		
(ATTACH ADDITIONAL SHEETS IF NECCESARY)					4/30/2013	3	
CONTRACT NO		TITLE AND LOCATION					
N40085-12-C-70	04	Little Creek Maintence Dredgir	<u>19</u>		REPORT NO.	193	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT				
			Carl Weldon D		DAYS WORKED	115	
AM WEATHER		PM WEATHER	MAX TEMP	(F)	MIN TEMP (F)		
		WORK P	ERFORMED TODAY		ı		
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
7 touvity 140.	Continued to	dredge in cell 19 and 20. Finish placing	McLean	1	Superintendent	10.0	
		20. Placed an additional 105 yards in to 19	McLean	1	QC Manager	10.0	
		20. Total of 476 yards into 19 and 476	McLean	1	Crane Operator	10.0	
		. Moved back to cell 18 and placed an	McLean	3	Deck Hands	30.0	
		6 along the bulkhead. Total placed in	McLean	1 1	Safety Director Electrican		
	cell 18 is 772 Total placed t		McLean McLean	1	Mechanic		
	Total placed i	today 757.	McLean	1	Welder		
			McLean	1	Truck Driver		
			CH2M HILL	1	Aquatic Scientist	10.0	
					- I I I I I I I I I I I I I I I I I I I	1919	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	E,	
JOI	В			TE3 LINO	THIS DATE< INCL CON'T SHEETS	70.00	
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES 🗸 NO			
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK		
WAS CRANE/MAN	LIFT/TRENCHIN	┛ NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	YES NO	HOURS FROM PREVIOUS RPT	6583.0	
(If YES attach state	ement or checkli	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM		
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	YES 🗸 NO	START OF CONSTRUCTION	6653.00	
(If YES attach descript	ion of incident and	proposed action.)	_				
Schedule	LIST SAFET	TV ACTIONS TAKEN TODAV/SAFETV INSDE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS	
Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREMENTS HAVE BEEN MET.						
7 totivity 140.	Daily equipment checks of equipment prior to use as required.						
		fety huddle" held at beginning of day to discuss		he performed			
		s held a job Safety Meeting on our Safety Police		во ролоппоа.			
	110.00.12.99	o note a job carety mooning on our carety remo					
EQUIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDULE /	ACTIVITY NUM	MBER)		
Schedule	Submittal #	Description of Equipment/Material Received	•		,		
Activity No.							
	•	EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	•	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Model))		Hours Used	
Activity No.		W. I. B. T. I. (B044)					
	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean MoLean	David Davis (P338L)				10.0	
	McLean McLean	CC87(127Ton Lima) SC130 (barge under the crane)				10.0 10.0	
	McLean	BU85 (Enviro Bucket)				10.0	
	McLean	WB39 (Work Boat)				10.0	
	McLean	JB46				10.0	
	Rental	Bobcat				10.0	
Schedule	REMARKS						
Activity No.							
			1	10.45			
			Pavid J. Da	UNO	4/30/2013	_	
			CONTRACTOR/SUPER	NTENDENT	DATE		
		(5.5)					

CONTRACTOR PRODUCTION REPORT					Wednesday		
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		5/1/2013		
CONTRACT NO		TITLE AND LOCATION				404	
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	194	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT				
			Carl Weldo		DAYS WORKED	116	
AM WEATHER		PM WEATHER	MAX TEN	MP (F)	MIN TEMP (F)		
		WORK PE	RFORMED TODAY				
Schedule	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
Activity No.	Callagtad	a complete in Decemb Court to device all 4 cells				40.0	
		e samples in Desert Cove today in all 4 cells. ocations #3, 4 and 6-16. Finished collecting	McLean McLean	1	Superintendent QC Manager	10.0 10.0	
		esert Cove. Use the crane along with the hypac		1	Crane Operator	10.0	
	to locate whe	re the core were to be taken.	McLean	3	Deck Hands	30.0	
			McLean	1	Safety Director		
	Finished with	everthing at desert cove.	McLean	1	Electrican		
			McLean McLean	1	Mechanic	40.0	
	<u> </u>		McLean	1	Welder Truck Driver	10.0	
			CH2M HILL	1	Aquatic Scientist	10.0	
			<u> </u>		/ iqualio coloniliot	.0.0	
	$\overline{}$	WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,	
JOI	١			L IL3_ NO	THIS DATE< INCL CON'T SHEETS	80.00	
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO			
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK		
				✓ YES NO	HOURS FROM PREVIOUS RPT	6653.0	
•		ist showing inspection performed.*Crane checklist to	•		TOTAL WORK HOURS FROM		
		L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	6733.00	
(If YES attach descripti	ion of incident and	proposed action.)					
Schedule	lacksquare						
Activity No.	— HAVE BEEN WILL.						
	Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.						
		s held a job Safety Meeting on our Safety Polici		k to be performed.			
	Weldon Digg.	3 field a job Galety Meeting on our Galety Folici	.				
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDU	LE ACTIVITY NUN	MBER)		
Schedule	Submittal #	Description of Equipment/Material Received	•		,		
Activity No.							
CONSTRUCTION	N AND PLANT	L FEQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED AND	SCHEDIII E ACT	IVITY NI IMBER		
Schedule	Owner	Description of Construction Equipment Used			IVII I NOMBEK.	Hours Used	
Activity No.			(. = = -,			
	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean	David Davis (P338L)				10.0	
	McLean	CC87(127Ton Lima)				10.0	
	McLean	SC130 (barge under the crane)				10.0	
	McLean McLean	BU85 (Enviro Bucket) WB39 (Work Boat)				10.0 10.0	
	McLean	JB46				10.0	
	Rental	Bobcat				10.0	
Schedule	REMARKS						
Activity No.	Collected 3 co	ore samples yesterday in desert cove I forgot to	report yesterday in loca	ations #1, 2 and 5.			
	Welder came	on site to weld on the clam shell bucket.					
			David J. R	Davis	5/1/2013		
			CONTRACTOR/SUP	-	DATE	-	
	<u> </u>			=			

CONTRACTOR PRODUCTION REPORT					Thursday 5/2/2013			
		(ATTACH ADDITIONAL SHEETS IF NECC	5/2/2013					
CONTRACT NO		TITLE AND LOCATION			DEDODENIO	405		
N40085-12-C-70	04	Little Creek Maintence Dredgin	19		REPORT NO.	195		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
			Carl Weld		DAYS WORKED	117		
AM WEATHER		PM WEATHER	MAX TE	EMP (F)	MIN TEMP (F)			
		WORK PE	<u> </u>					
Schedule	WO	PRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
		away from desert cove to pier 5 started remov curtain out of the water.	i McLean McLean	1 1	Superintendent QC Manager	10.0 10.0		
			McLean	1	Crane Operator	10.0		
			McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
			McLean	1	Electrican			
	ļ		McLean	1	Mechanic	5.0		
			McLean McLean	1	Welder Truck Driver	5.0		
			CH2M HILL	1	Aquatic Scientist			
			OHEM HILL		7 iqualio Colonilot			
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,		
JOI				L IL3_ NO	THIS DATE< INCL CON'T SHEETS	65.00		
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO				
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK			
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	6733.0		
(If YES attach state		TOTAL WORK HOURS FROM	0700.00					
		L/WASTE RELEASED INTO THE ENVIRONMI	ENI?	☐ YES ✓ NO	START OF CONSTRUCTION	6798.00		
(If YES attach descripti								
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE			
Activity No.	Daily equipment checks of equipment prior to use as required.							
	Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.							
		s held a job Safety Meeting on our Safety Police		on to so ponomica.				
		, , , , , , , , , , , , , , , , , , , ,						
		EIVED TODAY TO BE INCORPORATED IN JO		ULE ACTIVITY NUM	MBER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.								
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AN	D SCHEDULE ACT	VITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	lodel)		Hours Used		
Activity No.								
	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10.0 10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean	WB39 (Work Boat)				10.0		
	McLean	JB46				10.0		
	Rental	Bobcat				10.0		
Schedule Activity No.	REMARKS							
Activity No.	Welder came	on site to weld on the clam shell bucket again.						
	Wolder dame	on one to word on the claim chair bucket again.	•					
	 							
	1							
			A -14	Doguin	#14 laa 15			
			David J.		5/1/2013	<u>-</u>		
	<u> </u>		CONTRACTOR/SU	PERINTENDENT	DATE			

CONTRACTOR PRODUCTION REPORT					Monday			
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		5/6/2013			
CONTRACT NO		TITLE AND LOCATION				400		
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	199		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
			Carl Weldor		DAYS WORKED	118		
AM WEATHER		PM WEATHER	MAX TEM	1P (F)	MIN TEMP (F)			
		I WORK PE	RFORMED TODAY					
Schedule	WC	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.	Domoved all	of aparhant boom and baggod it up. Bomound	Malaga	4	Companies and and	40.0		
		of asorbant boom and bagged it up. Removed idity curtain. Folded up the curtain and tied.	McLean McLean	1	Superintendent QC Manager	10.0		
			McLean	1	Crane Operator	10.0		
			McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
			McLean	1	Electrican			
			McLean	1	Mechanic			
			McLean	1	Welder			
			McLean	1	Truck Driver	40.0		
			CH2M HILL	1	Aquatic Scientist	10.0		
		WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	<u> </u> F		
JOI	В	Who had on ETT MEETING HEED THIS	DATE:	✓ YES NO	THIS DATE< INCL CON'T SHEETS	60.00		
SAFE	١	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO	THIS DATES INCE CONTINUE TO	00.00		
		(If YES attach copy of completed OSHA report)	S ITIIS DATE:	YES_ NO	CUMULATIVE TOTAL OF WORK			
				✓ YES NO	HOURS FROM PREVIOUS RPT	6798.0		
		ist showing inspection performed *Crane checklist to		TES NO	TOTAL WORK HOURS FROM	0/30.0		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT?						6858.00		
(If YES attach descript				YES_ NO		0000.00		
			CTIONIC CONDUCTED		CAFETY DECLUDE	MENTO		
Schedule Activity No.								
Activity 140.	Daily equipment checks of equipment prior to use as required.							
		fety huddle" held at beginning of day to discuss		to be performed				
		s held a job Safety Meeting on our Safety Polici		tto bo portormou.				
	i i i i i i i i i i i i i i i i i i i							
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDUL	E ACTIVITY NUM	MBER)			
Schedule	Submittal #	Description of Equipment/Material Received						
Activity No.								
			TE		W. (T) (A H H A D D D			
	•	FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	l		
Schedule Activity No.	Owner	Description of Construction Equipment Used	loday (inci iviake and ivio	dei)		Hours Used		
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean	David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean	WB39 (Work Boat)				10.0		
	McLean	JB46				10.0		
	Rental	Bobcat				10.0		
Schedule	REMARKS							
Activity No.	Jaraman Octor	www.ronloand.hu.Nata Dries on the contra	al abaamis:					
	Jeremy Scott	was replaced by Nate Price as the enviroment	ai odserver.					
			David J. R	ario	5/6/2013			
			CONTRACTOR/SUPI		DATE	-		
L	<u> </u>	()	55.1.11.101010101011		0/112			

CONTRACTOR PRODUCTION REPORT					Tuesday	
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		5/7/2013	}
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgi	<u>19</u>		REPORT NO.	200
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weldor		DAYS WORKED	119
AM WEATHER		PM WEATHER	MAX TEN	ИР (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.	l naded un al	I curtain and absorbant boom and hauled away	/ McLean	1	Superintendent	
		idity curtain. Folded up the curtain and tied.	McLean	1	QC Manager	5.0
			McLean	1	Crane Operator	5.0
			McLean	3	Deck Hands	15.0
			McLean	1	Safety Director	
			McLean	1	Electrican	
			McLean	1	Mechanic	
			McLean	1	Welder	
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	
		WAS A JOB SAFETY MEETING HELD THIS	DATE2		TOTAL WORK HOURS ON JOB SIT	
JOI	R	WAS A SOB SALETT MEETING HELD THIS	DATE:	✓ YES NO		25.00
SAFE	١	WERE THERE ANY LOST TIME ACCIDENT	C TUIC DATE?	DVEG NO	THIS DATE< INCL CON'T SHEETS	25.00
J		(If YES attach copy of completed OSHA report)	S THIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIET/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	IORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6858.0
		ist showing inspection performed.*Crane checklist to		YES NO	TOTAL WORK HOURS FROM	0000.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•	Dyrad No.	START OF CONSTRUCTION	6883.00
(If YES attach descript			LIVI:	☐ YES ✓ NO	START OF CONSTRUCTION	0000.00
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREM HAVE BEEN ME					
Activity No.	Doily oggiom	ant about a of aguinment prior to use as requir	a d		HAVE BEEN IV	IEI.
		ent checks of equipment prior to use as require fety huddle" held at beginning of day to discuss				
		s held a job Safety Meeting on our Safety Police		k to be performed.		
	Weldon Digg:	s field a job Safety Meeting off our Safety Folic	iles.			
EOLIIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OR (INDICATE SCHEDIII	I E ACTIVITY NUIN	MRER)	
Schedule		Description of Equipment/Material Received	OD (IIIDIO/IIE GOITEDO	LL //OTIVITITION	ibert)	
Activity No.	oubilities "	2 complicit of Equipment Material Received				
CONSTRUCTION	N AND PLANT	FEQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	VITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mo	del)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10.0
	McLean	David Davis (P338L)				10.0
	McLean	CC87(127Ton Lima)				10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean McLean	WB39 (Work Boat) JB46				10.0 10.0
	Rental	Bobcat				10.0
Schedule	REMARKS	Dobbat				10.0
Activity No.	_	ge delivered today				
. ,,		,				
				· · · · · · · · · · · · · · · · · · ·		
			David J. R	avio	5/7/2013	_
			CONTRACTOR/SUP	ERINTENDENT	DATE	=
_						

CONTRACTOR PRODUCTION REPORT					Wednesday		
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		5/8/2013		
CONTRACT NO		TITLE AND LOCATION					
N40085-12-C-70	04	Little Creek Maintence Dredgir	ng		REPORT NO.	201	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT				
		McLean Contracting Company	Carl Weldor	n Diggs	DAYS WORKED	120	
AM WEATHER		PM WEATHER	MAX TEM	MP (F)	MIN TEMP (F)		
		WORK B	EDEODMED TODAY				
Schedule	WO	DRK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS	
Activity No.		THE EGOTH THE BEGOTH TION	LIVIPLOTER	NOMBER	INADL	1110	
·		arrived on site today 11:10 AM	McLean	1	Superintendent	10.0	
		ng sand in the Bid Option area Cell 16.	McLean	1	QC Manager	10.0	
		280 yards of material. Finished cell 16 and	McLean	1	Crane Operator	10.0	
		ng in cell 15. Placed about 160 yards into 15.	McLean	3	Deck Hands	30.0	
	60% through	15.	McLean McLean	1 1	Safety Director Electrican		
	Collected 4 o	ore samples from cell 16	McLean McLean	1	Mechanic		
	Collected 4 C	ore samples from cell 16	McLean	1	Welder		
			McLean	1	Truck Driver		
			CH2M HILL	1	Aquatic Scientist	10.0	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,	
JOI	В			TES NO	THIS DATE< INCL CON'T SHEETS	70.00	
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO			
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK		
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6883.0	
(If YES attach state	ement or checkli	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM		
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	6953.00	
(If YES attach descripti	ion of incident and	proposed action.)					
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQU						
Activity No.	HAVE BEEN MET.						
	Daily equipment checks of equipment prior to use as required.						
		fety huddle" held at beginning of day to discuss		to be performed.			
		s held a job Safety Meeting on our Safety Police					
	56	, , , , , ,					
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDUL	LE ACTIVITY NUM	MBER)		
Schedule	Submittal #	Description of Equipment/Material Received					
Activity No.							
		Sand barge VMC 216 delivered by the Hoss t	today				
00110701107101					W. (IT) (A H H A D E D		
	•	FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.		
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (Incl Make and Mo	aei)		Hours Used	
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean	David Davis (P338L)				10.0	
	McLean	CC87(127Ton Lima)				10.0	
	McLean	SC130 (barge under the crane)				10.0	
	McLean	BU85 (Enviro Bucket)				10.0	
	McLean	WB39 (Work Boat)				10.0	
	McLean	JB46				10.0	
	Rental	Bobcat				10.0	
Schedule	REMARKS						
Activity No.							
	ļ						
			David J. R	ania	E/0/0040		
					5/8/2013	_	
		(2.2)	CONTRACTOR/SUP	ERINTENDENT	DATE		

CONTRACTOR PRODUCTION REPORT				Thursday		
	(ATTACH ADDITIONAL SHEETS IF NECCESARY)				5/9/2013	
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintenance Dred	ging		REPORT NO.	202
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			101
			Carl Weldon		DAYS WORKED	121
AM WEATHER		PM WEATHER	MAX TEM	IP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY		l	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
,	Continued pla	acing sand in the Bid Option area Cell 15. onal 120 yards in 15. Finished cell 15 and	McLean	1	Superintendent	10.0
			McLean	1	QC Manager	10.0
	70% through	ng in cell 10. Placed about 511 yards into 10.	McLean McLean	3	Crane Operator Deck Hands	10.0 30.0
	ŭ	today is 631 yards	McLean	1	Safety Director	30.0
	Total placed	loddy io oo'i yardo	McLean	1	Electrician	
	Collected 4 c	ore samples from cell 15	McLean	1	Mechanic	
			McLean	1	Welder	10.0
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	١				THIS DATE< INCL CON'T SHEETS	80.00
SAFE	TY	WERE THERE ANY LOST TIME ACCIDENT (If YES attach copy of completed OSHA report)	S THIS DATE?	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6953.0
		ist showing inspection performed.*Crane checklist to		L ILS_ NO	TOTAL WORK HOURS FROM	0000.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	7033.00
(If YES attach descripti						
			CTIONIC CONDUCTED		CAFETY DECLUDE	MENTO
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CHONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
Activity 140.	Daily equipme	ent checks of equipment prior to use as require	2d		TIAVE DELIVIO	
		fety huddle" held at beginning of day to discuss		to be performed		
		s held a job Safety Meeting on our Safety Police		to be periorifica.		
	TVOIGOTI Biggi	o note a job carety mooning on our carety rone				
EQUIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDUL	E ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received	•		,	
Activity No.						
	•	FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Mod	del)		Hours Used
Activity No.	Malaan	Wolden Digge Truck (D244L)				40.0
	McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10.0
	McLean McLean	CC87(127Ton Lima)				10.0 10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean	WB39 (Work Boat)				10.0
	McLean	JB46				10.0
	Rental	Bobcat				10.0
Schedule	REMARKS					-
Activity No.						
	Welded came	e on site to weld on pump and various things				
			A -11 C	David		
			Ravid J. R		5/9/2013	<u>-</u>
			CONTRACTOR/SUPI	ERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT					Friday			
		(ATTACH ADDITIONAL SHEETS IF NECC	5/10/2013					
CONTRACT NO		TITLE AND LOCATION				000		
N40085-12-C-700	04	Little Creek Maintenance Dred	ging		REPORT NO.	203		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
			Carl Weld		DAYS WORKED	122		
AM WEATHER		PM WEATHER	MAX T	EMP (F)	MIN TEMP (F)			
		I WORK PE	RFORMED TODAY					
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
	Continued pla	acing sand in Cell 10. Placed an additional 350 10. Finished cell 10, placed a total of 861.	McLean McLean	1 1	Superintendent QC Manager	8.0 8.0		
		13 and started placing sand in cell 13.	McLean	1	Crane Operator	8.0		
		ards of sand in 13	McLean	3	Deck Hands	24.0		
	Total placed t	today is 490 yards	McLean	1	Safety Director			
	Callagted 4 a	ore complete from cell 10	McLean	1	Electrician			
	Collected 4 C	ore samples from cell 10	McLean McLean	1	Mechanic Welder			
			McLean	1	Truck Driver			
			CH2M HILL	1	Aquatic Scientist	8.0		
JOI		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT			
SAFE	1	WEDE THERE ANY LOST TIME ACCIDENTS	THE DATES		THIS DATE< INCL CON'T SHEETS	56.00		
SAI L		WERE THERE ANY LOST TIME ACCIDENTS (If YES attach copy of completed OSHA report)	SINIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK			
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	7033.0		
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM			
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	7089.00		
(If YES attach descripti	ion of incident and	proposed action.)						
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREMENT							
Activity No.	— HAVE BEEN MET.							
	Daily equipment checks of equipment prior to use as required.							
	Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed. Weldon Diggs held a job Safety Meeting on our Safety Policies.							
	Weldon bigg.	s field a job safety Meeting on our safety i olici	63.					
		EIVED TODAY TO BE INCORPORATED IN JO		DULE ACTIVITY NUM	MBER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.		One discourse VMO 000 dell'es and best to the Heart	and a Callet					
		Sand barge VMC 220 delivered by the Hoss la	ast night					
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED AN	ND SCHEDULE ACT	VITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and I	Model)		Hours Used		
Activity No.	Malaaa	Walden Dinns Trusk (D2441)				2.0		
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				8.0 8.0		
	McLean	CC87(127Ton Lima)				8.0		
	McLean	SC130 (barge under the crane)				8.0		
	McLean	BU85 (Enviro Bucket)				8.0		
	McLean	WB39 (Work Boat)				8.0		
	McLean Rental	JB46 Bobcat				8.0 8.0		
Schedule	REMARKS	Dobbout				0.0		
Activity No.								
				0				
			Parid J.	Navio	5/10/2013	_		
	CONTRACTOR/SUPERINTENDENT DATE							

	CONTRACTOR PRODUCTION REPORT					, 		
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		5/13/2013			
CONTRACT NO		TITLE AND LOCATION			DEDODENO	005		
N40085-12-C-70	04	Little Creek Maintenance Dred	iging		REPORT NO.	205		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
				don Diggs	DAYS WORKED	123		
AM WEATHER		PM WEATHER	MAX -	TEMP (F)	MIN TEMP (F)			
		WORK P	ERFORMED TODAY		<u>†</u>			
Schedule	WC	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.	Cantinuad al	sains and in Call 42. Placed an additional	McLean	1	Com a viata a da at	10.0		
	525 yards in	acing sand in Cell 13. Placed an additional 13. Finished unloading sand barge.	McLean	1	Superintendent QC Manager	10.0		
			McLean	1	Crane Operator	10.0		
			McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
	O-1141 O -	are complete from call 42	McLean	1	Electrician			
	BO33, 34.	ore samples from cell 13	McLean McLean	1 1	Mechanic Welder			
	DO33, 34.		McLean	1	Truck Driver			
			CH2M HILL	2	Aquatic Scientist	16.0		
					·			
12		WAS A JOB SAFETY MEETING HELD THIS	S DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT			
JOI	١				THIS DATE< INCL CON'T SHEETS	76.00		
SAFE	: 11	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES VNO				
WAS CRANE/MAN	LIET/TDENCLUM	I(If YES attach copy of completed OSHA report) NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	JORK DONES	✓ YES □ NO	CUMULATIVE TOTAL OF WORK	7000.0		
		ist showing inspection performed.*Crane checklist to		✓ YES NO	HOURS FROM PREVIOUS RPT TOTAL WORK HOURS FROM	7089.0		
•		L/WASTE RELEASED INTO THE ENVIRONM	•	☐ YES ✓ NO	START OF CONSTRUCTION	7165.00		
(If YES attach descript			iLivi .		START OF GONOTINGOTION	7 100.00		
			CTIONS CONDUCTS	·D	CAFETY DECLUDE	MENTO		
Schedule Activity No.	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CHONS CONDUCTE	יט:	SAFETY REQUIRE HAVE BEEN M			
Activity 140.	Daily equipment checks of equipment prior to use as required.							
		fety huddle" held at beginning of day to discuss		work to be performed.				
		s held a job Safety Meeting on our Safety Police	•	•				
		EIVED TODAY TO BE INCORPORATED IN J		DULE ACTIVITY NUM	MBER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.								
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDIC.	ATE HOURS USED A	ND SCHEDULE ACT	IVITY NUMBER.	_		
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used		
Activity No.		Walder Divis Truck (D0441)				40.0		
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean	WB39 (Work Boat)				10.0		
	McLean	JB46				10.0		
Cabadula	Rental	Bobcat				10.0		
Schedule Activity No.	REMARKS							
ACTIVITY INC.	2 enviroment	al observers came in today. Mark L. Ost is goi	ng to be replacing Nat	e Price.				
			gp					
			A -1 A	Doggio	#140100 · C			
			Parid J.		5/13/2013	_		
	<u> </u>		CONTRACTOR/S	SUPERINTENDENT	DATE			

	CONTRACTOR PRODUCTION REPORT					<u>'</u>		
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		5/14/2013			
CONTRACT NO		TITLE AND LOCATION				007		
N40085-12-C-700	04	Little Creek Maintenance Dredg	ging		REPORT NO.	207		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	-				
				don Diggs	DAYS WORKED	124		
AM WEATHER		PM WEATHER	MAX ⁻	TEMP (F)	MIN TEMP (F)			
		WORK PE	RFORMED TODAY					
Schedule	WO	PRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
	Continued pla	acing sand in Cell 13. Placed an additional 13. Finished cell 13 placed a total of 840 yards	McLean McLean	1	Superintendent QC Manager	10.0 10.0		
		to cell 11. Started to place in 11.Placed 280yar		1	Crane Operator	10.0		
	in 11. Placed	today 455 yards.	McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
	Callagtad O.a.		McLean	1	Electrician			
	BO35, 36.	ore samples from cell 13	McLean McLean	1	Mechanic Welder			
	2000, 00.		McLean	1	Truck Driver			
			CH2M HILL	1	Aquatic Scientist	10.0		
		T						
JOI		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT			
SAFE	1	WERE THERE ANY LOST TIME ACCIDENTS	THIS DATES		THIS DATE< INCL CON'T SHEETS	70.00		
57		(If YES attach copy of completed OSHA report)	S IIIIS DATE!	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK			
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE?				✓ YES NO	HOURS FROM PREVIOUS RPT	7165.0		
		st showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM			
WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	7235.00		
(If YES attach descripti	ion of incident and	proposed action.)						
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREMEN HAVE BEEN MET							
Activity No.	— TIAVE BEEN MET.							
	Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.							
		s held a job Safety Meeting on our Safety Polici		work to be performed.				
	TTOIGON Diggs	o note a job duroty moderning on our duroty i direct	.					
		EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHE	DULE ACTIVITY NUM	MBER)			
	Submittal #	Description of Equipment/Material Received						
Activity No.		VMC220 removed and VMC 212 delivered (sa	and harges) by The E	volva Doris				
		VINCEZO TETHOVEU AND VIVIC 212 DELIVERED (SA	ind barges) by The L	velyli Dolis				
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOURS USED A	ND SCHEDULE ACT	VITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used 1	Today (incl Make and	Model)		Hours Used		
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean	David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean McLean	WB39 (Work Boat) JB46				10.0 10.0		
	Rental	Bobcat				10.0		
Schedule	REMARKS	•						
Activity No.	Lost a couple	of hours placing sand. Load line came out of the	ne sheave. It took two	hours to repair.				
				0				
			Ravid J.	Navio	5/14/2013	_		
			CONTRACTOR/S	SUPERINTENDENT	DATE			

	CONTRACTOR PRODUCTION REPORT (ATTACH ADDITIONAL SHEETS IF NECCESARY)				Wednesday 5/15/2013		
CONTRACT NO		TITLE AND LOCATION					
N40085-12-C-70	04	Little Creek Maintenance Dred	ging		REPORT NO.	208	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	-			
		McLean Contracting Company	Carl Wel	don Diggs	DAYS WORKED	125	
AM WEATHER		PM WEATHER	MAX TEMP (F)		MIN TEMP (F)		
Schedule	I WO	WORK P ORK LOCATION AND DESCRIPTION	ERFORMED TODAY	NUMBER	TRADE	HRS	
Activity No.	VVC	TREGGATION AND DESCRIPTION	EMPLOYER	NUMBER	IRADE	пкъ	
Houvity 140.	Continued pla	acing sand in Cell 11. Placed an additional	McLean	1	Superintendent	10.0	
	yards 500 in	11. Finished cell 11 placed a total of	McLean	1	QC Manager	10.0	
		o 11. Started placing sand in cell 9.	McLean	1	Crane Operator	10.0	
	1.	rds into 9. And finished unloading sand	McLean McLean	3	Deck Hands Safety Director	30.0	
	bagre.		McLean	1	Electrician		
	Collected 4 c	ore samples from cell 11	McLean	1	Mechanic	2.0	
	BO40,41, 43,		McLean	1	Welder	10.0	
			McLean	1	Truck Driver		
			CH2M HILL	1	Aquatic Scientist	10.0	
		TWACA TOP CAFETY MEETING HELD THIS	DATES			<u> </u>	
JOI	B	WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES □ NO	TOTAL WORK HOURS ON JOB SIT		
SAFE	١	WERE THERE ANY LOST TIME ACCIDENT	C THIS DATES	☐ YES ✓ NO	THIS DATE< INCL CON'T SHEETS	82.00	
3 /11 2		(If YES attach copy of completed OSHA report)	S INIS DATE!		CUMULATIVE TOTAL OF WORK		
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES □ NO	HOURS FROM PREVIOUS RPT	7235.0	
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM	,	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	7317.00	
(If YES attach descript	ion of incident and	proposed action.)					
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTE	:D	SAFETY REQUIRE	MENTS	
Activity No.					HAVE BEEN M		
	Daily equipment checks of equipment prior to use as required.						
		fety huddle" held at beginning of day to discuss	·	work to be performed.			
	Weldon Diggs	s held a job Safety Meeting on our Safety Police	cies.				
EOLUDA AENIT/NA A	TEDIAL DEGI	ENTER TORANTO DE INICORDORATED IN 1	OD (INDIOATE COLIE	DI II E AOTIVITY AII I	ADED)		
		EIVED TODAY TO BE INCORPORATED IN July Description of Equipment/Material Received		DULE ACTIVITY NUM	(IBER)		
Activity No.	Submittal #	Description of Equipment/Material Received					
The string tree							
		EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.		
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used	
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean	David Davis (P338L)				10.0	
	McLean	CC87(127Ton Lima)				10.0	
	McLean	SC130 (barge under the crane)				10.0	
	McLean	BU85 (Enviro Bucket)				10.0	
	McLean McLean	WB39 (Work Boat) JB46				10.0 10.0	
	Rental	Bobcat				10.0	
Schedule	REMARKS	20000				10.0	
Activity No.							
	Welder on sit	e welding on clam shell bucket					
	Mechanic o	on site to repair Bobcat					
			David J.	Davis	5/15/2013		
				SUPERINTENDENT	DATE	-	
			33111777013170	C. LIMITLINDLINI	D. () L		

CONTRACTOR PRODUCTION REPORT					Thursday		
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		5/16/2013		
CONTRACT NO		TITLE AND LOCATION					
N40085-12-C-70	04	Little Creek Maintenance Dred	ging		REPORT NO.	209	
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYO WORKED	106	
AM WEATHER		PM WEATHER	Carl Weldon D		DAYS WORKED MIN TEMP (F)	126	
AW WEATHER		PW WEATHER	IVIAX TEIVIP	(F)	MIN TEMP (F)		
			ERFORMED TODAY				
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
·	Continued pla	acing sand in Cell 9. Placed an additional	McLean	1	Superintendent	10.5	
		9. Also placed in cell 8 about 224 yds	McLean	1	QC Manager	10.5	
	today. Moved	/ds into cell 9. Placed a total of 649 yards	McLean McLean	3	Crane Operator Deck Hands	10.5 31.5	
	louay. Moved	i to cell 14.	McLean	1	Safety Director	31.3	
			McLean	1	Electrician		
	Collected 4 co	ore samples from cell 8 and 9	McLean	1	Mechanic		
	BO42, 45, 46		McLean	1	Welder		
		,	McLean	1	Truck Driver		
			CH2M HILL	1	Aquatic Scientist	10.5	
					•		
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	E,	
JOI	١			1123110	THIS DATE< INCL CON'T SHEETS	73.50	
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES ✓ NO			
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK		
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	YES NO	HOURS FROM PREVIOUS RPT	7317.0	
(If YES attach state	ement or checkli	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM		
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	YES ✓ NO	START OF CONSTRUCTION	7390.50	
(If YES attach descript	ion of incident and	proposed action.)					
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREME						
Activity No.	LIST SAPETY ACTIONS TAKEN TODAT/SAPETY INSPECTIONS CONDUCTED SAFETY REQUIREMENTS HAVE BEEN MET.						
,	Daily equipment checks of equipment prior to use as required.						
		fety huddle" held at beginning of day to discuss		be performed.			
		s held a job Safety Meeting on our Safety Police		•			
EQUIPMENT/MA		EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDULE	ACTIVITY NUM	MBER)		
Schedule	Submittal #	Description of Equipment/Material Received					
Activity No.		MVC 204 sand barge delivered by the Hoss t	his mourning				
	ALAND DI ANIT	FOUNDMENT ON JOB OFF TORAY, INDIA	ATE HOURS HOED AND OC		W. (IT) (A II IA ID E D		
	•	FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	I	
Schedule Activity No.	Owner	Description of Construction Equipment Used	roday (inci iviake and iviodei)		Hours Used	
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean	David Davis (P338L)				10.0	
	McLean	CC87(127Ton Lima)				10.0	
	McLean	SC130 (barge under the crane)				10.0	
	McLean	BU85 (Enviro Bucket)				10.0	
	McLean	WB39 (Work Boat)				10.0	
	McLean	JB46				10.0	
	Rental	Bobcat				10.0	
Schedule	REMARKS	•				-	
Activity No.							
			A -11 6-	avia	# / . e /e e · . e		
			Ravid J. Ra		5/16/2013	_	
			CONTRACTOR/SUPER	INTENDENT	DATE		

	CONTRACTOR PRODUCTION REPORT							
		(ATTACH ADDITIONAL SHEETS IF NECO	5/17/2013					
CONTRACT NO		TITLE AND LOCATION						
N40085-12-C-70	04	Little Creek Maintenance Dred	ging		REPORT NO.	210		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	Γ				
				don Diggs	DAYS WORKED	127		
AM WEATHER		PM WEATHER	MAX TEMP (F)		MIN TEMP (F)			
		WORK P	 ERFORMED TODAY]			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
	Placed about	150 yards in to cell12 and 14. Moved to aced about 250 yards of material into 2.	McLean McLean	1	Superintendent QC Manager	3.5 11.5		
		4 and placed about 105 yards.	McLean	1	Crane Operator	11.5		
		day about 509 yards	McLean	3	Deck Hands	34.5		
			McLean	1	Safety Director			
			McLean	1	Electrician			
		ore samples from cells 2 and 12	McLean	1	Mechanic			
	BO 29-31 and	a BO 39.	McLean McLean	1	Welder Truck Driver			
			CH2M HILL	1	Aquatic Scientist	11.5		
			0.12	·	/ iqualio Golollilot			
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES □ NO	TOTAL WORK HOURS ON JOB SI	ΓE,		
JOI					THIS DATE< INCL CON'T SHEETS	72.50		
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO				
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK			
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	7390.5		
•		ist showing inspection performed.*Crane checklist to L/WASTE RELEASED INTO THE ENVIRONM	•	☐YES ✓ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	7463.00		
(If YES attach descript			ILINI :	☐ YES [NO	START OF CONSTRUCTION	7403.00		
				· n	0.45577/0507/05			
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CHONS CONDUCTE	:D	SAFETY REQUIRE HAVE BEEN N			
Activity 140.	Daily equipment checks of equipment prior to use as required.							
		fety huddle" held at beginning of day to discuss		work to be performed.				
		s held a job Safety Meeting on our Safety Police		·				
		EIVED TODAY TO BE INCORPORATED IN J		DULE ACTIVITY NUM	MBER)			
Schedule Activity No.	Submittal #	Description of Equipment/Material Received						
Activity No.								
	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used		
Activity No.	McLean	Weldon Diggs Truck (P344L)				11.5		
	McLean	David Davis (P338L)				11.5		
	McLean	CC87(127Ton Lima)				11.5		
	McLean	SC130 (barge under the crane)				11.5		
	McLean	BU85 (Enviro Bucket)				11.5		
	McLean	WB39 (Work Boat)				11.5		
	McLean Rental	JB46 Bobcat				11.5 11.5		
Schedule	REMARKS	bobcat				11.5		
Activity No.								
•								
			David J.	Davis	5/17/2013			
				SUPERINTENDENT	DATE	=		
					=			

CONTRACTOR PRODUCTION REPORT					Monday 5/20/2013			
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		5/20/2013			
CONTRACT NO		TITLE AND LOCATION			DEDODENO	040		
N40085-12-C-70	04	Little Creek Maintenance Dred	iging		REPORT NO.	213		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT					
				don Diggs	DAYS WORKED MIN TEMP (F)	128		
AM WEATHER		PM WEATHER	MAX	MAX TEMP (F)				
		WORK P	ERFORMED TODAY		1			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.	Continued to	place in cell 4 and started placing in cell	McLean	1	Superintendent	10.0		
	3. Finished co	ell 3. Placed about 273 yards in cell 3	McLean	1	QC Manager	10.0		
	Placed an ad	ditional 343 yards into cell 4.	McLean	1	Crane Operator	10.0		
			McLean	3	Deck Hands	30.0		
			McLean McLean	1 1	Safety Director Electrician			
	Collected 6 c	ore samples from cells 3 and 4	McLean	1	Mechanic			
	BO 23-28.	oro damprod nom dono d ana r	McLean	1	Welder			
			McLean	1	Truck Driver			
			CH2M HILL	1	Aquatic Scientist	10.0		
		WAS A JOB SAFETY MEETING HELD THIS	DATE2		TOTAL WORK HOURS ON JOB SIT	=		
JOI	В	WAS A JOB SAI ETT MEETING HEED ITHS	DAIL	✓ YES □ NO	THIS DATE< INCL CON'T SHEETS			
SAFE	١	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES VNO	THIS DATES IN SECOND SHEETS	70.00		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK			
WAS CRANE/MAN	S CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE?					7463.0		
(If YES attach state	ement or checkli	ist showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM			
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	7533.00		
(If YES attach descript	ion of incident and	proposed action.)						
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTE	D	SAFETY REQUIRE			
Activity No.	— HAVE BEEN MET.							
	Daily equipment checks of equipment prior to use as required. Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.							
		s held a job Safety Meeting on our Safety Police		voik to be periorified.				
		, , , ,						
		EIVED TODAY TO BE INCORPORATED IN J		DULE ACTIVITY NUM	MBER)			
Schedule Activity No.	Submittal #	Description of Equipment/Material Received						
Activity No.		VMC 202 sand barge delivered over the wee	kend					
		FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	1		
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used		
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0		
	McLean	David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean McLean	BU85 (Enviro Bucket) WB39 (Work Boat)				10.0 10.0		
	McLean	JB46				10.0		
	Rental	Bobcat				10.0		
Schedule	REMARKS					-		
Activity No.								
			A -11	Doggio				
			David J.		5/17/2013	_		
	<u> </u>		CONTRACTOR/S	SUPERINTENDENT	DATE			

CONTRACTOR PRODUCTION REPORT			Tuesday			
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		5/21/2013	
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintenance Dred	ging		REPORT NO.	214
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	·	DAVE WORKED	129
AM WEATHER		PM WEATHER	Carl Weldon D MAX TEMP		DAYS WORKED MIN TEMP (F)	129
AW WEATHER		PW WEATHER	IVIAX TEIVIP	(F)	MIN TEMP (F)	
			ERFORMED TODAY			
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Continued to	place in cell 4 and finished the cell.	McLean	1	Superintendent	10.0
		ditional 84 yards into cell 4. 532 total in 4. 5 and 6 and placed 122 yards in 5. Placed	McLean McLean	1 1	QC Manager Crane Operator	10.0 10.0
	200 yards in 6		McLean	3	Deck Hands	30.0
		today 406 yards.	McLean	1	Safety Director	30.0
	. o.a. p.aooa	iouu, ioo yarus.	McLean	1	Electrician	
			McLean	1	Mechanic	
			McLean	1	Welder	
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	Έ,
JOI	١				THIS DATE< INCL CON'T SHEETS	70.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE? ✓	YES NO	HOURS FROM PREVIOUS RPT	7533.0
(If YES attach state	ement or checkli	st showing inspection performed *Crane checklist to		_	TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	YES 🗸 NO	START OF CONSTRUCTION	7603.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.	Daileranniana		- d		HAVE BEEN M	IEI.
		ent checks of equipment prior to use as require		b		
		ety huddle" held at beginning of day to discuss s held a job Safety Meeting on our Safety Polic		ве ретогтеа.		
	weldon Digg:	s field a job Safety Meeting on our Safety Polic	des.			
EOLIIDMENT/MA	TEDIAL DECI	EIVED TODAY TO BE INCORPORATED IN J	OR (INDICATE SCHEDUI E		ARED)	
Schedule	Submittal #	Description of Equipment/Material Received	OB (INDICATE SCITEDOLE)	ACTIVITI NON	VIDEI()	
Activity No.	Gubillittai #	Description of Equipment/Waterial Reserved				
7 tourney i to						
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND SC	HEDULE ACT	IVITY NUMBER.	
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (incl Make and Model))		Hours Used
7 totavity 140.	McLean	Weldon Diggs Truck (P344L)				10.0
	McLean	David Davis (P338L)				10.0
	McLean	CC87(127Ton Lima)				10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean	WB39 (Work Boat)				10.0
	McLean	JB46				10.0
	Rental	Bobcat				10.0
Schedule Activity No.	REMARKS	•				•
			A -110	- 110		
			David J. Da		5/21/2013	_
			CONTRACTOR/SUPER	INTENDENT	DATE	

	CONTRACTOR PRODUCTION REPORT					ay		
		(ATTACH ADDITIONAL SHEETS IF NECO	5/22/2013					
CONTRACT NO		TITLE AND LOCATION				-1-		
N40085-12-C-700	04	Little Creek Maintenance Dred	lging		REPORT NO.	215		
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	Γ				
				ldon Diggs	DAYS WORKED	130		
AM WEATHER		PM WEATHER	MAX	TEMP (F)	MIN TEMP (F)			
		WORK P	 ERFORMED TODAY		1			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS		
Activity No.								
	Did not get a	sand barge til the afternoon. We got a ntinued to place in cells 5 and 6	McLean McLean	1 1	Superintendent QC Manager	10.0 10.0		
		63 yards in 5 and 107 yards into 6	McLean	1	Crane Operator	10.0		
	170 total yard	·	McLean	3	Deck Hands	30.0		
			McLean	1	Safety Director			
	0 1 1 10		McLean	1	Electrician			
	Colected 2 co	ore samples BO19 nad 20	McLean McLean	1 1	Mechanic Welder			
			McLean	1	Truck Driver			
			CH2M HILL	1	Aquatic Scientist	10.0		
101		WAS A JOB SAFETY MEETING HELD THIS	B DATE?	✓ YES ☐ NO	TOTAL WORK HOURS ON JOB SIT			
JOI SAFE	١				THIS DATE< INCL CON'T SHEETS	70.00		
SAFE		WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK			
WAS CRANE/MAN	LIFT/TRENCHIN	I(If YES attach copy of completed OSHA report) NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES □ NO	HOURS FROM PREVIOUS RPT	7603.0		
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM	7000.0		
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	7673.00		
(If YES attach descripti	ion of incident and	proposed action.)						
Schedule	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREMENT							
Activity No.	— HAVE BEEN MET.							
	Daily equipment checks of equipment prior to use as required.							
	Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.							
	weldon Digg	s held a job Safety Meeting on our Safety Police	cies.					
EQUIPMENT/MA	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHE	DULE ACTIVITY NUM	MBER)			
		Description of Equipment/Material Received			,			
Activity No.								
		Received a sand barge (VMC 202) delivered	by the Hoss					
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED A	ND SCHEDULE ACT	IVITY NUMBER.			
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used		
Activity No.								
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10.0		
	McLean	CC87(127Ton Lima)				10.0		
	McLean	SC130 (barge under the crane)				10.0		
	McLean	BU85 (Enviro Bucket)				10.0		
	McLean	WB39 (Work Boat)				10.0		
	McLean Rental	JB46 Bobcat				10.0 10.0		
Schedule	REMARKS	Dobcat				10.0		
Activity No.								
			David J.	Navio	5/22/2013	_		
	CONTRACTOR/SUPERINTENDENT DATE							

	COI	NTRACTOR PRODUCTION		Thursday		
		(ATTACH ADDITIONAL SHEETS IF NECO	CESARY)		5/23/201	3
CONTRACT NO		TITLE AND LOCATION			D=D0D=110	040
N40085-12-C-70	04	Little Creek Maintenance Dred	ging		REPORT NO.	216
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYO WODKED	404
AM WEATHER		PM WEATHER	Carl Weldon D		DAYS WORKED MIN TEMP (F)	131
AW WEATHER		PW WEATHER	IVIAX TEMP	(F)	MIN TEMP (F)	
			ERFORMED TODAY			
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Continued pla	acing in 5 and 6 and finished them. Placed	McLean	1	Superintendent	10.0
		started and finished placing in cell 7. 8. Emptied the last sand barge.	McLean McLean	1	QC Manager Crane Operator	10.0 10.0
		ore samples BO13-18, 21 and 47.	McLean	3	Deck Hands	30.0
		, , , , , , , , , , , , , , , , , , , ,	McLean	1	Safety Director	00.0
	Tied down an	nd secured the crane for demob. Hoss	McLean	1	Electrician	
	(Intra Coasta	Tug) towed the crane back to the	McLean	1	Mechanic	
	Mclean yard.		McLean	1	Welder	
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	L DATES	<u> </u>	TOTAL WORK HOURS ON HOR OUT	<u> </u>
JOI	B .	WAS A JOB SAFETY MEETING HELD THIS	DATE?	YES NO	TOTAL WORK HOURS ON JOB SIT	
SAFE	١	WEDE THERE AND LOOT TIME ACCIDENT	:0 TI II 0 DATE 0	LVEC VINO	THIS DATE< INCL CON'T SHEETS	70.00
SAIL	.''	WERE THERE ANY LOST TIME ACCIDENT	STHIS DATE?	YES ✓ NO	CUMULATIVE TOTAL OF WORK	
MAS CDANE/MAN	I IET/TDENICHIN	I(If YES attach copy of completed OSHA report) NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	IOBK DONES	YES NO	HOURS FROM PREVIOUS RPT	7673.0
		ist showing inspection performed.*Crane checklist to] 1L3 NO	TOTAL WORK HOURS FROM	7073.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•	YES ☑ NO	START OF CONSTRUCTION	7743.00
(If YES attach descripti] 1L3 NO	CTART OF CONCINCOTION	77-10.00
						<u> </u>
Schedule Activity No.	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M	
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Police	cies.			
	TERIAL RECI	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDULE	ACTIVITY NUM	MBER)	
Schedule Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.						
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND SO	CHEDULE ACT	IVITY NUMBER.	
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (incl Make and Model)		Hours Used
,	McLean	Weldon Diggs Truck (P344L)				10.0
	McLean	David Davis (P338L)				10.0
	McLean	CC87(127Ton Lima)				10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean	WB39 (Work Boat)				10.0
	McLean	JB46				10.0
Cohodula	Rental	Bobcat				10.0
Schedule Activity No.	REMARKS					
	Last day onsi	te.				
			1 -110-	a via		_
			Ravid J. Ra		5/23/2013	_
			CONTRACTOR/SUPER	INTENDENT	DATE	



			CON	TRACT	OR Q	UALITY CO	NTROL	REPOR	T DATE	18-Feb-13		
	(ATTACH ADDITIONAL SHEETS IF NECESSARY) REPORT #											
PHASE	CONTRA			N40085-12-C	-7004	CONTRACT TITLE	Little C		nce dredging, Norfol	k, Virgina		
_				WORK PERFO			YES		NO 🗸			
OR,						ATORY PHASE CHECKLIS						
PREPARATORY	Schedule No		DEFINAE	BLE FEATURE	OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #		
λAR												
REF												
۵												
	WAS INIT	TAL PHAS	SE WORK F	ERFORMED T	ODAY?		YES		NO 🗸	,		
			AND ATTAC	H SUPPLEMEN	NTAL INITIAL F	PHASE CHECKLIST						
AL	Schedule No		DEFINAE	BLE FEATURE	OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #		
NITIAL												
_												
			<u> </u>									
	WORK CO	OMPLIES	WITH CON	TRACT AS API	PROVED DUR	ING INITIAL PHASE?	YES		NO 🗌			
				ETY REQUIRE			YES		NO			
	Schedule	e Activity				ed & by whom, definable						
	17	00				and list of personnel pro		Hynack soft	ware to monitor the	evezuted		
₫	17	00				37 yards of material		ттураск зоп	ware to monitor the	Excavied		
FOLLOW-UP						,						
ľò												
Ö												
<u></u>												
REWORK	(ITEMS ID	ENTIFIED	D TODAY (N	OT CORRECT	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY	(FROM REWORK ITEMS LIST)			
Schedul	e Activity	Description					Schedule Activity	Description				
N	0.						No.	·				
	o A otivity			hase checklist it	em from above	e that was answered "NO").	Manuf. Rep on site	e, etc.				
N		Description	on									
		,	,	is report is com and work perfor		3						
reporting	period is in	complian	ce with the	contract drawing	gs and		Dagn	id J. K	ario	40 Fab 40		
specificati	ions to the	best of my	y knowleage	e except as note	a in this report.				NAGER AT SITE	18-Feb-13 DATE		
			GOVERNI	MENT QUALI	TY ASSURA	NCE REPORT	AOTIK	JRIZED QC IVIA	INAGER AT SITE	DATE		
QUALITY A	SSURANCE					TO THE REPORT						
Schedul N	e Activity	Description	on									
IN	υ.											
								·				
							GOVERNMENT C			DATE		
COMBIN	IED FOR	M 01450)-1 (9/9 8)		· <u></u>			SH	IEET 1 OF 1			

			CONTR	RACTO	r qu	ALITY CO	NTROL	REPORT	DATE	19-Feb-13
				(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	123
	CONTRA			085-12-C-7004		CONTRACT TITL			dredging, Norfolk,	Virgina
			RY PHASE WOF				YES		NO 🗸	
OR	Schedule	A (' ')				ORY PHASE CHECK				
PREPARATORY	N		DEFINABLE F	-EATURE OF	WORK, LO	DCATION AND LIS	I PERSONNEL P	RESENI		Index #
PAF										
RE										
4										
			E WORK PERF				YES		NO 🗸	
						SE CHECKLIST				
INITIAL	N		DEFINABLE F	EATURE OF	WORK, LO	DCATION AND LIS	F PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY F			& by whom, definal	YES	√	NO	
	Schedule					ձ by whom, deimal d list of personnel բ				
	17	00						oftware to monit	or the excavted	
-UP			material. Ex	kcavated ab	out 866	yards of materia	il.			
ο										
FOLLOW-UP										
F										
REWORK	CITEMS ID	ENTIFIED	TODAY (NOT (CORRECTED BY	Y CLOSE OF	F BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FRO	M REWORK ITEMS LIST)	
Schedule	e Activity	Descriptio	·				Schedule Activity	Description		
N	0.						No.			
	S (Also ex e Activity			checklist item fro	om above tha	at was answered "NO"	. Manuf. Rep on site	e, etc.		
N		Descriptio	on							
On hehalf	of the con	tractor I o	ertify that this rep	ort is complete o	and					
correct an	d equipme	ent and ma	terial used and w	ork performed d	luring this					
			ce with the contra knowledge exce				Marvi	id J. Ro	wo	19-Feb-13
		-	_		•			ORIZED QC MANAG		DATE
		(GOVERNMEN	T QUALITY A	SSURANC	E REPORT				
	SSURANCE Activity	REPRESE	ENTATIVE'S REMA	RKS AND/OR EXC	EPTIONS TO	THE REPORT				
N		Descriptio	on							
					-		GOVERNMENT	QUALITY ASSURANCE	MANAGER	DATE
COMBIN	IED FOR	M 01450	1 (9/98)						Γ 1 OF 1	2

			CON	TRA	CTOR	QUAL	ITY COI	NTROL	REPO	₹T	DATE	20-Feb-13
(ATTACH ADDITIONAL SHEETS IF NECESSARY) REPORT #												125
PHASE	CONTRA	ACT NO.		N40085-1			ITRACT TITLE	Little C		ence dredo	ging, Norfolk,	Virgina
_					RFORMED TO			YES		NO	✓	
OR,							HASE CHECKLIS					
PREPARATORY	Schedule No		DEFINA	BLE FEAT	URE OF WO	RK, LOCAT	ION AND LIST I	PERSONNEL P	RESENT			Index #
AF												
REI												
Δ.												
	WAS INIT	TAL PHAS	SE WORK I	PERFORME	D TODAY?			YES		NO	√	
			ND ATTAC	CH SUPPLE	MENTAL INITI	AL PHASE CH	HECKLIST					
ΙAΓ	Schedule No		DEFINA	BLE FEAT	URE OF WO	RK, LOCAT	ION AND LIST I	PERSONNEL P	RESENT			Index #
NITIAL												
=												
	WORK CO	OMPLIES	WITH CON	NTRACT AS	APPROVED [DURING INITIA	AL PHASE?	YES	√	NO		
	WORK CO	OMPLIES			IREMENTS?			YES	✓	NO		
	Schedule No	,					whom, definable of personnel pre					
		00					and used t		oftware to	monitor the	e excavted	
P.			materia	al. Excav	ated about	t 951 yard:	s of material.	•				
- 												
FOLLOW-UP												
요												
	K ITEMS ID			NOT CORR	ECTED BY CL	OSE OF BUSI	NESS)	Schedule Activity		AY (FROM REW	ORK ITEMS LIST)	
	No.	Description	on					No.	Description			
	,	plain any F	Follow-Up p	hase check	list item from a	bove that was	answered "NO").	Manuf. Rep on site	e, etc.			
	le Activity No.	Description	on									
	-											
		,	,		complete and erformed during	n this						
reporting	period is in	complian	ce with the	contract dra	awings and			Dage	id 1	Davi	0	40 E.L. 40
specificat	tions to the	best of my	y knowledg	e except as	noted in this re	port.	-	- CO107		MANAGER A		19-Feb-13 DATE
			GOVERN	MENT QU	JALITY ASSU	JRANCE RE	PORT	AUTHO	JRIZED QC	WANAGER	(I SIIE	DATE
QUALITY /	ASSURANCE				ND/OR EXCEPTI							
	le Activity No.	Description	on									
					•							
								GOVERNMENT C				DATE

			CONTR	PACTOR	R QUA	LITY CO	NTROL	REPORT	DATE	21-Feb-13
	_			(ATTACH AD	DITIONAL	SHEETS IF NECE	SSARY)		REPORT#	126
	CONTRA			85-12-C-7004		ONTRACT TITLE		reek maintence dr		Virgina
			RY PHASE WOR			Y PHASE CHECKLI	YES		NO 🗸	
l OR	Schedule					ATION AND LIST		DECENIT		Index #
PREPARATORY	N		DEFINABLE F	EATURE OF V	VORK, LOC	ATION AND LIST	PERSONNEL P	RESENT		muex #
ΙÞΑ										
PRE										
			SE WORK PERFO AND ATTACH SU			CHECKLIST	YES		NO 🗸	
		e Activity				ATION AND LIST	DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI INABLE I	LATORE OF V	VOICIN, LOC	ATION AND EIGT	TERSONNELT	RESERVI		IIIuex #
Z										
							\/=0			
			WITH CONTRAC			IITIAL PHASE?	YES YES		NO NO	
						by whom, definabl			<u> </u>	
	N	0.	work, specifica	ation section, lo	cation and li	ist of personnel pr	esent			
Δ.	17	00				17 and used the rids of material		ftware to monitor	the excavted	
N-UI			material. L7	cavaled abl	Jul 330 ya	ilus oi material	•			
-OLLOW-UP										
OLI										
ш										
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	ORRECTED BY	CLOSE OF B	USINESS)	REWORK ITEMS CO	PRRECTED TODAY (FROM I	REWORK ITEMS LIST)	
Schedule N	e Activity	Description	on				Schedule Activity No.	Description		
14	0.						NO.			
DEMADK	S (Also ov	plain any F	Follow I In phase	shocklist itom from	m above that w	vas answered "NO").	Manuf Pon on site	oto.		
	e Activity	Description		SHECKIIST ITEM HOL	ii above tilat v	vas alisweieu (NO).	Manui. Nep on site	s, etc.		
N	0.	Descriptio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
On behalf	of the con	tractor, I c	ertify that this rep	ort is complete ar	nd					
			aterial used and w	•	ring this		0	-110		
			y knowledge exce		s report.		pari	id J. Dan		21-Feb-13
							AUTHO	ORIZED QC MANAGE	R AT SITE	DATE
OLIAN III.	001124::5		GOVERNMEN							
	SSURANCE e Activity		ENTATIVE'S REMAR	KKS AND/OR EXCE	PHONS TO TH	E KEPUR I				
N		Description	ות							
							GOVERNMENT Q	UALITY ASSURANCE M	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET 1		

			CON	TRACT	TOR Q	UALITY CO	NTROL	REPORT	T DATE	26-Feb-13	
(ATTACH ADDITIONAL SHEETS IF NECESSARY) REPORT #											
PHASE	CONTRA	ACT NO.		N40085-12-C		CONTRACT TITLE	Little C		ce dredging, Norfolk,	Virgina	
_				WORK PERFO			YES		NO 🗸		
OR,						RATORY PHASE CHECKLIS					
PREPARATORY	Schedule No		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #	
λAR											
REF											
۵											
	WAS INIT	TAL PHAS	SE WORK F	ERFORMED T	ODAY?		YES		NO 🗸		
			AND ATTAC	H SUPPLEME	NTAL INITIAL F	PHASE CHECKLIST				1	
AL	Schedule No		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #	
NITIAL											
_											
	WORK CO	OMPLIES	WITH CON	TRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES		NO 🗌		
	WORK CO	OMPLIES	WITH SAF	ETY REQUIRE	MENTS?		YES		NO 🗌		
	Schedule	,				ed & by whom, definable					
	17	00				and list of personnel pre		ha Hynack so	oftware to monitor the	a excavted	
₫.	- ''	00				55 yards of material		no riypack st	orware to monitor the	CACAVICA	
۸-ر						,					
FOLLOW-UP											
Ö											
REWORK	L KITEMS ID	ENTIFIED	D TODAY (N	OT CORRECT	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY ((FROM REWORK ITEMS LIST)		
Schedul	e Activity	Description					Schedule Activity	Description			
N	0.						No.	·			
	o A otivity			hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.			
N		Description	on								
				is report is com and work perfor		5					
reporting	period is in	complian	ce with the	contract drawing	gs and		Dage	id J. R	ario	00 Fab 40	
specificati	ions to the	best of my	y knowleage	e except as note	ea in this report				NAGER AT SITE	26-Feb-13 DATE	
			GOVERN	MENT QUALI	ITY ASSURA	NCE REPORT	AOTIK	JRIZED QC IVIA	NAGER AT SITE	DATE	
QUALITY A	ASSURANCE					TO THE REPORT					
	e Activity	Description	on								
N	υ.										
				•	•						
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE	
COMBIN	NED FOR	M 01450)-1 (9/98)					SH	EET 1 OF 1		

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPORT	DATE	27-Feb-13	
(ATTACH ADDITIONAL SHEETS IF NECESSARY) REPORT #											
PHASE	CONTRA	ACT NO.		N40085-12-0	C-7004	CONTRACT TITLE			ce dredging, Norfolk	i, Virgina	
_					ORMED TODA		YES		NO 🗸		
OR,						RATORY PHASE CHECKLIS				1	
PREPARATORY	Schedule	e Activity o.	DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #	
AF											
REI											
Δ.											
	WAS INIT	TAL PHAS	SE WORK I	PERFORMED T	TODAY?		YES		NO 🗸		
			AND ATTAC	CH SUPPLEME	NTAL INITIAL I	PHASE CHECKLIST					
ΙAΓ	Schedule	e Activity o.	DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #	
NITIAL											
_											
	WORK C	OMPLIES	WITH CON	NTRACT AS AF	PROVED DUR	ING INITIAL PHASE?	YES	✓	NO	•	
	WORK C	OMPLIES	T	ETY REQUIRE			YES	✓	NO		
	Schedule N	e Activity				ed & by whom, definable and list of personnel pre					
		00				n cell 4 and used th		ftware to mon	nitor the excavted		
Ð						00 yards of material					
N -											
FOLLOW-UP											
6											
	CITEMS ID	DENTIFIED	D TODAY (NOT CORREC	TED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity	RRECTED TODAY (F	FROM REWORK ITEMS LIST)		
	O.	Description	on				No.	Description			
REMARK	S (Also ex	plain any f	Follow-Up p	hase checklist	item from above	e that was answered "NO").	Manuf. Rep on site	e, etc.			
	e Activity	Description	on								
N	0.										
		,	,	his report is con	•						
				and work perfo	rmed during things and	S	1	-116	Davia		
					ed in this report		pari	id 1. R		27-Feb-13	
				_			AUTHO	ORIZED QC MAI	NAGER AT SITE	DATE	
OHALITY (ACCUIDANCE					NCE REPORT					
	e Activity	Description		KEWIAKKS AND/	UN EACEPHONS	TO THE REPORT					
N	0.	Pescubil	υι I								
				•	•						
							GOVERNMENT C	UALITY ASSURAN	NCE MANAGER	DATE	
COMBIN	NED FOR	M 01450	0-1 (9/98)				-		ET 1 OF 1		

			CONT	RACTO	R QU	ALITY CO	NTROL	REPORT	DATE	28-Feb-13
				(ATTACH	ADDITIONA	L SHEETS IF NECE	ESSARY)		REPORT#	133
	CONTRA			085-12-C-700		CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WO			ODY DUACE OUTOR	YES		NO 🗸	
OR	Schedule	A (' ')				ORY PHASE CHECKL				
PREPARATORY	N		DEFINABLE	FEATURE OF	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
						ASE CHECKLIST				
INITIAL	N		DEFINABLE	FEATURE OF	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						NITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY		_	& by whom, definab	YES	✓	NO	
	Schedule					d list of personnel p				
	17	00				cell 13 and used		ftware to monito	or the excavted	
-UP			material. E	xcavated a	ibout 116	4 yards of materi	al.			
Ŏ.										
-OLLOW-UP										
Ĭ										
REWORK	(ITEMS ID	ENTIFIED	O TODAY (NOT	CORRECTED E	BY CLOSE O	F BUSINESS)	REWORK ITEMS CO	PRRECTED TODAY (FRO	M REWORK ITEMS LIST)	
	e Activity	Descriptio	on				Schedule Activity	Description		
N	0.						No.			
551451	0 (4)							<u> </u>		
	S (Also ex e Activity			checklist item f	from above th	at was answered "NO").	Manuf. Rep on site	e, etc.		
N		Descriptio	on ————							
On behalf	of the con	tractor Lo	ertify that this re	port is complete	e and					
correct an	ıd equipme	ent and ma	aterial used and	work performed	during this		^			
			ce with the contr y knowledge exc				pari	id J. Ra	no	28-Feb-13
							-	ORIZED QC MANAC		DATE
			GOVERNMEN							
	SSURANCE e Activity		ENTATIVE'S REMA	ARKS AND/OR EX	(CEPTIONS TO	THE REPORT				
N		Descriptio	on							
					-		GOVERNMENT C	UALITY ASSURANCE	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)						T1 OF 1	

			CON	TRACT	TOR Q	UALITY CO	NTROL	REPORT	DATE	1-Mar-13	
(ATTACH ADDITIONAL SHEETS IF NECESSARY) REPORT #											
PHASE	CONTRA			N40085-12-C	-7004	CONTRACT TITLE	Little C		ce dredging, Norfolk,	Virgina	
_				WORK PERFO			YES		NO 🗸		
OR,						ATORY PHASE CHECKLIS					
PREPARATORY	Schedule No		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #	
AF											
REI											
<u> </u>											
	WAS INIT	TAL PHAS	SE WORK F	ERFORMED T	ODAY?		YES		NO 🗸		
			AND ATTAC	H SUPPLEME	NTAL INITIAL F	PHASE CHECKLIST					
ΙAΓ	Schedule No		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #	
NITIAL											
_											
	WORK CO	OMPLIES	WITH CON	TRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES	/	NO		
	WORK CO	OMPLIES		ETY REQUIRE			YES	7	NO 🗌		
	Schedule No	,				ed & by whom, definable and list of personnel pre					
		00						software to	monitor the excavted	I	
Ð						05 yards of materia					
)- /											
FOLLOW-UP											
요											
	(ITEMS ID e Activity			OT CORRECT	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity	,	FROM REWORK ITEMS LIST)		
N		Description	on				No.	Description			
								ļ			
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.			
Schedul N	e Activity	Description	on								
	0.										
				is report is com and work perfor							
reporting	period is in	complian	ce with the	contract drawing	gs and		Dogu	id J. R)an in		
specificati	ions to the	best of my	y knowledge	e except as note	ed in this report					1-Mar-13	
			COVEDNI	MENT OLIALI	TV ACCUDA	NOE DEDORT	AUTHO	ORIZED QC MAI	NAGER AT SITE	DATE	
QUALITY A	SSURANCE					NCE REPORT TO THE REPORT					
Schedul	e Activity	Description		2		-					
N	0.										
				•	•						
0017	IED ESS	NA 64 := :) 4 /5/c=`				GOVERNMENT C	QUALITY ASSURAN		DATE	
COMBIN	IED FOR	M 01450)-1 (9/98)					SHE	EET 1 OF 1		

			CONTI	RACTO	DR QU	ALITY CO	NTROL	REPORT	DATE	11-Mar-13
	_			(ATTACH	ADDITION	AL SHEETS IF NECE	ESSARY)		REPORT#	144
	CONTRA			085-12-C-70		CONTRACT TITLE		reek maintence dre		Virgina
			RY PHASE WO				YES		NO 🗸	
OR		A (' ')				FORY PHASE CHECKL		DE051/T		
PREPARATORY	N		DEFINABLE	FEATURE O	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			SE WORK PERI				YES		NO 🗸	
_						ASE CHECKLIST				
INITIAL	N		DEFINABLE	FEATURE O	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						G INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY			1 0 hh.a.ma	YES	√	NO L	
	Schedule					& by whom, definab nd list of personnel pr				
	17	00	No dredgir	ng today.						
-U-										
ο										
FOLLOW-UP										
F										
REWORK	TEMS IF	ENTIFIED	TODAY (NOT	CORRECTED	BY CLOSE O	F BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM R	EWORK ITEMS LIST)	
	e Activity	Descriptio		OOMALOTED	D1 02002 0	. 20011200)	Schedule Activity	Description Description	EWORKTI EMO EIOT)	
N	0.	2000					No.	2 000p.uo		
REMARK Schedule		plain any F	-ollow-Up phase	checklist item	from above th	at was answered "NO").	Manuf. Rep on site	e, etc.		
N		Descriptio	on							
On hall "	of #	tro ot '	outify the extra	namic 1:	a and					
			ertify that this re aterial used and							
			ce with the cont y knowledge exc				Dans	id J. Nar	NO	11-Mar-13
оростоан	0110 10 1110	boot or my	, knowloago ox	opt do notod in	ино гороги			ORIZED QC MANAGER		DATE
		(GOVERNMEI	NT QUALITY	ASSURAN	CE REPORT			- · · · -	
		REPRESE	ENTATIVE'S REM	ARKS AND/OR E	XCEPTIONS TO	THE REPORT				
Schedule N		Descriptio	on							
		<u> </u>								
					-		0.01/55:::::::::::::::::::::::::::::::::::			
COMBIN	IED FOR	M 01450)-1 (9/98)				GOVERNMENT Q	QUALITY ASSURANCE MA SHEET 1		DATE
		500	. (-, 55)					ÇI ILLI I		

			CONTR	RACTO	R QU	ALITY CO	NTROL	REPORT	DATE	12-Mar-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	145
	CONTRA			085-12-C-7004		CONTRACT TITL			dredging, Norfolk,	Virgina
			RY PHASE WOF				YES		NO 🗸	
OR	Schedule	A (' ')				ORY PHASE CHECKI				
PREPARATORY	N		DEFINABLE F	-EATURE OF	WORK, LO	DCATION AND LIS	I PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			E WORK PERF				YES		NO 🗸	
_						SE CHECKLIST				I
INITIAL	N		DEFINABLE F	-EATURE OF	WORK, LO	DCATION AND LIS	F PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY F		_	& by whom, definal	YES	5 \(\right\)	NO	
	Schedule					d list of personnel p				
	17	00						oftware to monit	tor the excavted	
-UF			materiai. Ex	xcavated at	00ut 482	yards of materia	ll.			
Ŏ.										
FOLLOW-UP										
Ĺ										
REWORK	TEMS ID	ENTIFIED	TODAY (NOT (CORRECTED B	Y CLOSE OF	BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FRO	M REWORK ITEMS LIST)	
Schedule N	e Activity	Descriptio	n				Schedule Activity No.	Description		
IN	0.						NO.			
DEMARK	C (Aloo ov	nlain any E	Follow I In phage	abaaklist itam fr	om abova the	at was answered "NO"	Manuf Ban on site	, etc		
	e Activity	Descriptio		Checkiist item in	om above me	at was answered "NO"	. Manur. Rep on site	e, etc.		
N	0.	Descriptio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
On behalf	of the con	tractor, I c	ertify that this rep	ort is complete	and					
			terial used and w	•	•		0	-110	- 11-	
			knowledge exce				pari	id J. Ro	VVV	12-Mar-13
							AUTHO	ORIZED QC MANA	GER AT SITE	DATE
OHALITY A	COLIDANO		GOVERNMEN ENTATIVE'S REMA							
	e Activity	Descriptio		INNO MIND/UK EXC	PETTIONS TO	IIIE NEPUKI				
N	0.	Describilo	// I							
							GOVERNMENT C	QUALITY ASSURANCE		DATE
COMBIN	IED FOR	M 01450	1 (9/98)					SHEE	Γ1 OF 1	

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPOR	T DATE	13-Mar-13
				(ATTA	CH ADDITIC	NAL SHEETS IF NECE	SSARY)		REPOR	T# 146
PHASE	CONTRA			N40085-12-C		CONTRACT TITLE			ice dredging, No	rfolk, Virgina
>				WORK PERFO			YES		NO 🗸	
OR,	Schedule					RATORY PHASE CHECKLIS				
Ϋ́	Scriedule		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
λA										
PREPARATORY										
Δ.										
	WAS INIT	TAL PHAS	SE WORK F	PERFORMED T	ODAY?		YES		NO 🗸	
			AND ATTAC	H SUPPLEME	NTAL INITIAL I	PHASE CHECKLIST				
ÞΓ	Schedule No		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK CO	OMPLIES	WITH CON	ITRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES	/	NO _	
	WORK CO	OMPLIES	1	ETY REQUIRE			YES	7	NO 🗌	
	Schedule No	,				ed & by whom, definable and list of personnel pre				
		00				n cell 3 used the Hy		e to monitor	the excavted	
₽.						58 yards of material				
N -										
FOLLOW-UP										
뎐										
	(ITEMS ID e Activity	ENTIFIED	D TODAY (I	NOT CORRECT	TED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity	RRECTED TODAY	(FROM REWORK ITEMS	LIST)
N		Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedul N	e Activity	Description	on							
IN	0.									
		,	,	is report is com						
				and work perfor contract drawing	_	5	0	id J. K	Darvio	
specificati	ions to the	best of my	y knowledge	e except as note	ed in this report		pari	10 J. N		13-Mar-13
			001/2011				AUTHO	ORIZED QC MA	NAGER AT SITE	DATE
	SSLIBANICE					NCE REPORT				
	e Activity	Description		AND/C	AL LAGER HOINS	TO THE REPORT				
N	0.									
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SH	IEET 1 OF 1	

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPOR	T DA	TE	14-Mar-13
				(ATTA)	ACH ADDITIC	NAL SHEETS IF NECE	SSARY)		RE	PORT#	147
PHASE	CONTRA			N40085-12-0		CONTRACT TITLE		reek mainten			Virgina
>					ORMED TODA		YES		NO 🗸		
OR,						RATORY PHASE CHECKLIS					
ΑŢ	Schedule No		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT			Index #
ΑŘ											
PREPARATORY			1								
۵											
	WAS INIT	TAL PHAS	SE WORK I	PERFORMED T	TODAY?		YES		NO 🗸		
			AND ATTA	CH SUPPLEME	NTAL INITIAL I	PHASE CHECKLIST					
AL	Schedule No		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT			Index #
NITIAL											
_											
	WORK CO	OMPLIES	WITH CON	ITRACT AS AF	PROVED DUR	ING INITIAL PHASE?	YES		NO		
				ETY REQUIRE			YES		NO 🗌		
	Schedule	e Activity				ed & by whom, definable					
	17	00				and list of personnel proncel 3, 4 and 6 use		coftware to	monitor the	executed	
<u>a</u>	17	00				018 yards of materia		C SULLWAIG TO	IIIOIIIIOI IIIE	excavieu	
FOLLOW-UP						, , , , , , , , , , , , , , , , , , , ,					
ΓÒ											
Ö											
ш.											
REWORK	(ITEMS ID	ENTIFIED	D TODAY (I	NOT CORREC	TED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY	(FROM REWORK I	TEMS LIST)	
Schedul	e Activity	Description					Schedule Activity	Description			
N	0.						No.				
	o A otivity			hase checklist	item from above	e that was answered "NO").	Manuf. Rep on site	e, etc.			
N		Description	on								
		,	•	nis report is cor and work perfo	nplete and ormed during this	s					
reporting	period is in	complian	ce with the	contract drawir	ngs and		Dage	id J. K	ario		4.4 Мат. 40
specificati	ions to the	best of my	y knowleag	e except as not	ed in this report	•		ORIZED QC MA		TC	14-Mar-13 DATE
			GOVERN	MENT QUAL	ITY ASSURA	NCE REPORT	AUTHO	JRIZED QC IVIP	ANAGER AT SI	116	DATE
QUALITY A	SSURANCE					TO THE REPORT					
	e Activity	Description	on								
N	υ.										
				•							
							GOVERNMENT C	UALITY ASSURA	ANCE MANAGER	R	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SH	IEET 1 OF 1		

ATTACH ADDITIONAL SHEETS IF NECESSARY) AND PREPARATORY PHISE WORK PERFORMED TOOMY WAS PREPARATORY PHISE WORK PERFORMED TOOMY IF YES RLU OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHISE PERFORMED TOOMY IF YES RLU OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHISE PERFORMED TOOMY WAS INTIAL PHASE WORK PERFORMED TOOMY WAS INTIAL PHASE WORK PERFORMED TOOMY WAS INTIAL PHASE WORK PERFORMED TOOMY WAS INTIAL PHASE WORK PERFORMED TOOMY WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLEX WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST NO DURING INTIAL PHASE WORK PERFORMED TO APPROVED TO APPROVED THE APPROVED TO APPROVED THE APPROVED TO APPROVED THE APPROVED TO APPROVED THE APPROVED TO APPROVED THE APPROVED TO APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED TO THE PEPRIT DURING THE APPROVED THE APPRO				CONTR	ACTOR	QUALI	TY CO	NTROL	REPORT	DATE	18-Mar-13
AND PREPARATION PLANS WORK PERFORMED TODAY? WAS PREPARATION PLANSE WORK PERFORMED TODAY? BYES, PLL OUT AND ATTGLE SUPPLEMENTAL PREPARATORY PLASE CHECKLIST STRICTURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT WAS INTIAL PLASE WORK PERFORMED TODAY? PYES, PLL OUT AND ATTGLE SUPPLEMENTAL INTIAL PLASE CHECKLIST WORK COMPUTES WITH CONTRACT AS APPROVED DURING INTIAL PHASE; WORK COMPUTES WITH CONTRACT AS APPROVED DURING INTIAL PHASE; WORK COMPUTES WITH CONTRACT AS APPROVED DURING INTIAL PHASE; WORK COMPUTES WITH CONTRACT AS APPROVED DURING INTIAL PHASE; WORK COMPUTES WITH SAFETY REQUIREMENTS? WORK COMPUTES WITH CONTRACT OF A PROVINCE OF BUSINESS; Stratials Accessed by Computer of Work Lesting performed 8 by whom, definable feature of Work Work Work Performed Value Performed 8 by whom, definable feature of Work Work Performed Value Performed 8 by whom, definable feature of Work Work Performed Value Performed 8 by whom, definable feature of Work Performed Value		_			(ATTACH AD	DITIONAL SHE	ETS IF NECE	SSARY)		REPORT#	151
BYES. FLL. OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKICST STORY OF THE CONTROL OF THE CONTROL OF WORK, LOCATION AND LIST PERSONNEL PRESENT WAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL WITH CONTROL AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTROL WIT							TRACT TITLE				Virgina
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? Sodio-day have been been been been been been been be							IACE CLIECKLIC			NO 🗸	
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? Sodio-day have been been been been been been been be	OR		A (' ')						DE051/IT		
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? Sodio-day have been been been been been been been be	₹AT			DEFINABLE F	EATURE OF W	ORK, LOCATI	ON AND LIST	PERSONNEL PI	RESENT		Index #
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? Sodio-day have been been been been been been been be	PAF										
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? Sodio-day have been been been been been been been be	RE										
Sedestide Antitive Pass Fill. DUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKUST Index 4	4										
Schedule Activity WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? WHO SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS?								YES		NO 🗸	
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH ASPETY REQUIREMENTS? Schedule Activity Schedule Activity No. No. No. Offodging REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Schedule Activity Description No. REMARKS (Also explain any Follow-Up phase checklat item from above that was answered "NO"). Manuf. Rap on site, etc. Schedule Activity No. Description No. No. Description No. No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT Schedule Activity Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT Schedule Activity Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	_										I
WORK COMPLES WITH AGETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK Specification section, location and list of personnel present 1700 No dredging REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED BY CLOSE OF BUSINESS REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TO TODAY (NOT	JAI.			DEFINABLE F	EATURE OF W	ORK, LOCATI	ON AND LIST	PERSONNEL PI	RESENT		Index #
WORK COMPLES WITH AGETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK Specification section, location and list of personnel present 1700 No dredging REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK ITEMS CORRECTED BY CLOSE OF BUSINESS REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TO TODAY (NOT	Z										
WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No. No. discription of work, testing performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 No diredging REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist term from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting princit as in completions with the contract downing and expecifications to the best of my knowledge except as model in this report. Schedule Activity No. Description 18-Mar-13 AUTHORIZED OC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED OC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No. No. discription of work, testing performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 No diredging REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist term from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting princit as in completions with the contract downing and expecifications to the best of my knowledge except as model in this report. Schedule Activity No. Description 18-Mar-13 AUTHORIZED OC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED OC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. 1700 No dredging REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Description No. 2000 Schedule Activity Description No. 2000 Schedule Activity Description No. 2000 Schedule Activity Description No. 2000 Schedule Activity Description No. 2000 Schedule Activity No. 2000 Description No. 2000 Schedule Activity No. 2000 Description No. 2000 Schedule Activity No. 2000 Description No. 2000 Schedule Activity No. 2000 Description No. 2000 Schedule Activity No. 2000 Description Description D							L PHASE?				
No. work, specification section, location and list of personnel present							المعالمة الم		✓	NO [
REWORK ITEMS DENTIFED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during his reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT SCHEDULE ACTIVITY OF THE REPORT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE		17	00	No dredging)						
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	-U-										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	οw										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 18-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE)LL										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	F										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	REWORK	TEMS IF	ENTIFIED	TODAY (NOT C	ORRECTED BY (CLOSE OF BUSIN	VESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM	A REWORK ITEMS LIST)	
REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE					OTTICE DE LE	32002 OF BOOK	1200)		,	WHEWORKTIEMS EIST)	
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Authorized QC Manager at Site Date	N	0.	2000					No.	2 decomparent		
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Authorized QC Manager at Site Date											
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Authorized QC Manager at Site Date											
No. Description No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. Description ONDERDING TOWN TOWN TOWN TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE			plain any F	follow-Up phase of	checklist item from	above that was a	answered "NO").	Manuf. Rep on site	e, etc.		
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE			Descriptio	n							
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE	On hall "	of #	tro ot '	autifulti- tall	ortio occuri.	<u>ــــــــــــــــــــــــــــــــــــ</u>					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE					•						
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE						report		Davi	d J. Na	NO	18-Mar-13
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			,				•				
Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE				GOVERNMEN	QUALITY AS	SURANCE REF	PORT				
No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			REPRESE	NTATIVE'S REMAR	RKS AND/OR EXCER	PTIONS TO THE RE	PORT				
			Descriptio	n							
			<u> </u>								
								00/50/45/5	ULALITY ACCUSANCE	MANAOES	D. T.
	COMBIN	IED FOR	M 01450	-1 (9/98)				GUVERNMENT Q			DATE

			CONT	RACTO	DR QU	ALITY CC	NTROL	REPORT	DATE	19-Mar-13
	_			(ATTACH	ADDITIONA	AL SHEETS IF NEC	ESSARY)		REPORT#	152
	CONTRA			085-12-C-70		CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WC				YES		NO 🗸	
OR	Schedule	A (' ')				ORY PHASE CHECKL		DE0511T		
PREPARATORY	N		DEFINABLE	FEATURE O	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
_						ASE CHECKLIST				I
INITIAL	N		DEFINABLE	FEATURE O	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						G INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY			& by whom, definab	YES	\	NO	
	Schedule					a by whom, definable of list of personnel p				
	17	00				cell 4 used the F		e to monitor the	excavted	
-UP			material. E	xcavated a	about 960	yards of materia	l			
ο										
FOLLOW-UP										
F										
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT	CORRECTED	BY CLOSE O	F BUSINESS)	REWORK ITEMS CO	PRRECTED TODAY (FROM	M REWORK ITEMS LIST)	
Schedule	e Activity	Descriptio	•			,	Schedule Activity	Description		
N	0.						No.			
	S (Also ex e Activity			checklist item	from above th	at was answered "NO").	Manuf. Rep on site	e, etc.		
N		Descriptio	on							
On hehalf	of the con	tractor I o	ertify that this re	nort is complet	e and					
correct an	ıd equipme	ent and ma	aterial used and	work performed	d during this		0			
			ce with the cont y knowledge exc				Mari	id J. Ra	NO	19-Mar-13
		-	-	•	•		-	DRIZED QC MANAG		DATE
		(GOVERNMEN	IT QUALITY	ASSURANC	E REPORT				
	SSURANCE e Activity	REPRESE	ENTATIVE'S REMA	ARKS AND/OR E.	XCEPTIONS TO	THE REPORT				
N		Descriptio	on							
					-		GOVERNMENT O	UALITY ASSURANCE	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET		-

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	20-Mar-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NECI	ESSARY)		REPORT#	153
	CONTRA			085-12-C-7004		CONTRACT TITLE			redging, Norfolk,	Virgina
			RY PHASE WO				YES		NO 🗸	
OR	Schedule	A (' ')				ORY PHASE CHECKL		DE051/T		
₹AT	N		DEFINABLE	FEATURE OF	WORK, LO	DCATION AND LIST	PERSONNEL P	RESENT		Index #
PREPARATORY										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
						ASE CHECKLIST				
INITIAL	N		DEFINABLE	FEATURE OF	WORK, LO	DCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						NITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY			& by whom, definab	YES	√	NO	
	Schedule					d list of personnel p				
	17	00						oftware to monito	r the excavted	
'-UF			materiai. E	xcavated at	oout 813	yards of materia	l.			
Ŏ.										
FOLLOW-UP										
Ľ										
REWORK	(ITEMS ID	ENTIFIED	O TODAY (NOT (CORRECTED B	Y CLOSE OF	BUSINESS)	REWORK ITEMS CO	PRRECTED TODAY (FROM	REWORK ITEMS LIST)	
	e Activity	Descriptio	on				Schedule Activity	Description		
N	0.						No.			
551451	0 (4)									
	S (Also ex e Activity			checklist item fro	om above tha	at was answered "NO")	Manuf. Rep on site	e, etc.		
N		Descriptio	on ————							
On behalf	of the con	tractor Lo	ertify that this re	oort is complete :	and					
correct an	ıd equipme	ent and ma	aterial used and v	work performed o	during this		^	110	5.4-5	
			ce with the contr y knowledge exc				pari	id J. Ra	WO	20-Mar-13
							-	ORIZED QC MANAG		DATE
			GOVERNMEN							
	SSURANCE e Activity		ENTATIVE'S REMA	RKS AND/OR EXC	CEPTIONS TO	THE REPORT				
N		Descriptio	on							
					-		GOVERNMENT Q	UALITY ASSURANCE I	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET		

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPORT	DATE	21-Mar-13
	_			(ATTA)	ACH ADDITIC	ONAL SHEETS IF NECE			REPORT#	154
PHASE	CONTRA			N40085-12-0		CONTRACT TITLE			dredging, Norfolk,	Virgina
>					ORMED TODA		YES		NO 🗸	
ÖR	Schedule					RATORY PHASE CHECKLIS				
PREPARATORY	N		DEFINAL	BLE FEATUR	RE OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
<u> </u>										
				PERFORMED T			YES		NO 🗸	
			AND ATTAC	CH SUPPLEME	NTAL INITIAL	PHASE CHECKLIST				
Ι Α Γ	Schedule N		DEFINA	BLE FEATUR	RE OF WORK	X, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK C	OMPLIES	WITH CON	ITRACT AS AF	PPROVED DUR	RING INITIAL PHASE?	YES	√	NO _	
	WORK CO		1	ETY REQUIRE			YES	V	NO _	
	Schedule N	,				ned & by whom, definable and list of personnel pre				
		00	no dred		ction, location	and list of personner pro	,301it			
٩										
-M										
FOLLOW-UP										
6										
	(ITEMS ID e Activity	ENTIFIED	D TODAY (I	NOT CORREC	TED BY CLOSE	E OF BUSINESS)	REWORK ITEMS CO Schedule Activity	ORRECTED TODAY (FRO	M REWORK ITEMS LIST)	
N		Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist	item from above	e that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedule N	e Activity	Description	on							
IN	0.									
				nis report is cor						
				and work perfo contract drawir	ormed during thi ngs and	S	1	-1160	avia	
					ed in this report	t.	pari	id J. Ro		21-Mar-13
			_	_			AUTHO	ORIZED QC MANA	GER AT SITE	DATE
OHALITY A	COLIDANO					ANCE REPORT				
	e Activity	Description		KEIVIAKKS AND/	OK EXCEPTIONS	S TO THE REPORT				
N	0.	Describil0	111							
							GOVERNMENT C	UALITY ASSURANCE	E MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)						Γ1 OF 1	

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPOR	PT DATE	≣	22-Mar-13
	_			(ATTA	CH ADDITIO	NAL SHEETS IF NECE				ORT#	155
PHASE	CONTRA			N40085-12-C		CONTRACT TITLE			nce dredging,	Norfolk,	Virgina
>					ORMED TODA		YES		NO 🗸		
ÖR	Schedule					RATORY PHASE CHECKL					
PREPARATORY	No		DEFINABI	LE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT			Index #
PAF											
RE											
<u> </u>											
	WAS INIT	TAL PHAS	SE WORK PE	ERFORMED T	ODAY?		YES		NO 🗸		
			AND ATTACH	H SUPPLEME	NTAL INITIAL F	PHASE CHECKLIST				1	
₽F	Schedule No		DEFINABI	LE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT			Index #
NITIAL											
_											
	WORK CO	OMPLIES	WITH CONT	TRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES	<i>✓</i>	NO	'	
	WORK CO			TY REQUIRE			YES	√ V	NO		
	Schedule No	,				ed & by whom, definab and list of personnel pi					
	17					n cell 2, 5, 6 and 7		ack softwar	e to monitor th	e excavi	ed
P			material	. Excavate	ed about 85	58 yards of materia	l.				
<u>×</u>											
FOLLOW-UP											
요											
	le Activity			OT CORRECT	TED BY CLOSE	OF BUSINESS)	Schedule Activity		Y (FROM REWORK ITE	MS LIST)	
	lo.	Description	on				No.	Description			
	_ `	plain any F	Follow-Up ph	ase checklist i	item from above	e that was answered "NO").	Manuf. Rep on site	e, etc.			
	le Activity lo.	Description	on								
	-										
				s report is com	nplete and rmed during this	s					
reporting	period is in	complian	ce with the c	ontract drawin	gs and		Dage	id 1 9	Davis		00 M - 40
specificat	tions to the	best of my	y knowledge	except as note	ed in this report	•	- 12/19/		IANAGER AT SITI		22-Mar-13 DATE
			GOVERNI	MENT QUAL	ITY ASSURA	NCE REPORT	AUTH	JRIZED QC IVI	IANAGER AT SITI	<u> </u>	DATE
QUALITY /	ASSURANCE					TO THE REPORT					
	le Activity lo.	Description	on								
IN											
1											
									RANCE MANAGER		DATE

			CONTR	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	23-Mar-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NECI	ESSARY)		REPORT#	156
	CONTRA			085-12-C-7004		CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WOR				YES		NO 🗸	
OR	Schedule	A (' ')				ORY PHASE CHECKL				
PREPARATORY	N		DEFINABLE I	-EATURE OF	WORK, LO	OCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			E WORK PERF				YES		NO 🗸	
_						ASE CHECKLIST				I
INITIAL	N		DEFINABLE I	-EATURE OF	WORK, LO	OCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY F			0 hh	YES	」 ✓	NO	
	Schedule N					& by whom, definab d list of personnel p				
	17		Excavating	in Bid optic	n #1 in c	ell 5 used the l	lypack softwa	re to monitor the	e excavted	
-UP			material. Ex	xcavated at	out 727	yards of materia	l.			
Ò										
-OLLOW-UP										
F										
DEW/ODK	TEMO IF	SENITICIES	TODAY (NOT (CODDECTED BY	V CI OSE OI	E BI ICINIECC)	DEWORK ITEMS CO	APPECTED TODAY (EPO	M REWORK ITEMS LIST)	
	e Activity	Descriptio		DONNEOTED B	I CLOSE O	BOOMESO)	Schedule Activity	Description	WINEWORK ITEMS EIST)	
N	0.	Descriptio					No.	Везеприон		
							1			
	S (Also ex e Activity	plain any F	Follow-Up phase	checklist item fro	om above the	at was answered "NO")	Manuf. Rep on site	e, etc.		
N		Descriptio	n							
			ar a com							
			ertify that this rep Iterial used and v	•						
			ce with the contra knowledge exce				Dans	id J. Ro	rio	23-Mar-13
specificati	ons to the	Desi Oi IIIy	r knowledge exce	spi as noteu in ti	iis report.		-	ORIZED QC MANAG		DATE
		(GOVERNMEN	T QUALITY A	SSURANC	E REPORT	7,01110	51(1222) QO 1VII (14) (OLIVATIONE	DATE
		REPRESE	ENTATIVE'S REMA	RKS AND/OR EXC	EPTIONS TO	THE REPORT				
Schedule N	e Activity o.	Descriptio	on							
										_
					_					
COMBIN	IED FOR	M 01450	1-1 (9/98)				GOVERNMENT Q	UALITY ASSURANCE SHEFT	E MANAGER Γ1 OF 1	DATE
	יבטו טע	vi U 140U	1 (30)					SIILEI	🔾	

			CON	TRACT	OR Q	JALITY CO	NTROL	REPORT	DATE	25-Mar-13
				(ATTA	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT#	158
PHASE	CONTRA			N40085-12-C-		CONTRACT TITLE			ce dredging, Norfolk	Virgina
>				WORK PERFO			YES		NO 🗸	
OR,						ATORY PHASE CHECKLIS				
PREPARATORY	Schedule No		DEFINAE	LE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
ΑŘ										
REF										
۵										
	WAS INIT	TAL PHAS	SE WORK P	ERFORMED TO	DDAY?		YES		NO 🗸	
			AND ATTAC	H SUPPLEMEN	ITAL INITIAL F	PHASE CHECKLIST				
AL	Schedule No		DEFINAE	LE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_ ≤										
	WORK CO	OMPLIES	WITH CON	TRACT AS APF	PROVED DUR	NG INITIAL PHASE?	YES		NO 🗌	
	WORK CO	OMPLIES	WITH SAFE	ETY REQUIREM	MENTS?		YES		NO 🗍	
	Schedule	e Activity				ed & by whom, definable				
	17	00				and list of personnel pre Hypack software t		ovenited		
<u>a</u>	17	00				60 yards of material		EXCAVIEU		
۷-ر						, , , , , , , , , , , , , , , , , , , ,				
FOLLOW-UP										
Ö										
<u></u>										
REWORK	L KITEMS ID	ENTIFIED	D TODAY (N	IOT CORRECTI	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEMS LIST)	
	e Activity	Description	on				Schedule Activity	Description		
N	0.						No.	·		
	o A otivity			nase checklist it	em from above	that was answered "NO").	Manuf. Rep on site	e, etc.		
N		Description	on							
_										
		,	,	is report is comp and work perforr						
reporting	period is in	complian	ce with the	contract drawing	s and		Dage	id J. R	ario	05 May 40
specificati	ions to the	best of my	y knowleage	except as noted	a in this report.		- 6000		NAGER AT SITE	25-Mar-13 DATE
			GOVERNI	MENT QUALI	TY ASSURA	NCE REPORT	AUTH	JRIZED QU IVIA	NAGER AT SITE	DATE
QUALITY A	ASSURANCE					TO THE REPORT				
	e Activity	Description	on							
N	υ.									
				•	•					
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE
COMBIN	NED FOR	M 01450)-1 (9/98)					SHI	EET 1 OF 1	

			CONT	RACTO	DR QU	ALITY CC	NTROL	REPORT	DATE	26-Mar-13
	_			(ATTACH	ADDITIONA	AL SHEETS IF NECI	ESSARY)		REPORT#	158
	CONTRA			085-12-C-70		CONTRACT TITLE		reek maintence d		Virgina
			RY PHASE WC				YES		NO 🗸	
OR		A (' ')				ORY PHASE CHECKL		DE051/T		
PREPARATORY	N		DEFINABLE	FEATURE O	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
						ASE CHECKLIST				Ι
INITIAL	N		DEFINABLE	FEATURE O	F WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						G INITIAL PHASE?	YES		NO _	
		1	WITH SAFETY			0 hh d.f	YES		NO	
	Schedule N					& by whom, definab nd list of personnel p				
	17		Excavating	j in Area B	used the	Hypack software	to monitor the	e excavted		
-UP			material. E	xcavated a	about 487	yards of materia	l			
Ò										
FOLLOW-UP										
F										
DEW/ODK	TEMO IF	SENITICIES	TODAY (NOT	CODDECTED	BY CLOSE O	E BI ISINESS)	DEWORK ITEMS CO	ORRECTED TODAY (FROM	DEWORK ITEMS LIST	
	e Activity	Descriptio		CONNECTED	BT CLOSE O	1 DOSINESS)	Schedule Activity	Description	KEWOKK TEWS LIST)	
N	0.	Descriptio	<i></i>				No.	Везеприон		
	S (Also ex e Activity	plain any F	Follow-Up phase	checklist item	from above th	at was answered "NO")	Manuf. Rep on site	e, etc.		
N		Descriptio	on							
			ertify that this re aterial used and							
			ce with the cont y knowledge exc				Dans	id J. Ra	vio	26-Mar-13
specificati	ons to the	Desi Oi IIIy	y Knowledge exc	epi as noteu in	triis report.		-	ORIZED QC MANAGE		DATE
		(GOVERNMEN	IT QUALITY	ASSURANO	CE REPORT	AOTIN	S. ILLES GO MAINAOL		SATE
		E REPRESE	ENTATIVE'S REMA	ARKS AND/OR E	XCEPTIONS TO	THE REPORT				
Schedule N	e Activity o.	Descriptio	on							
										_
					-					
COMBIN	IED FOR	M 01450) ₋ 1 (Q/QR)				GOVERNMENT C	QUALITY ASSURANCE N SHEET		DATE
	יבטו טע	vi U 140U	, 1 (5/30)					SHLLI	. 🗸 .	

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPOR	T DA	ATE	27-Mar-13
				(ATTA	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		RE	EPORT#	159
PHASE	CONTRA			N40085-12-C		CONTRACT TITLE		reek mainten			Virgina
>				WORK PERFO			YES		NO 🗸		
OR,	Schedule					RATORY PHASE CHECKLIS					
Ϋ́	No		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT			Index #
λA											
PREPARATORY											
<u> </u>											
	WAS INIT	TAL PHAS	SE WORK F	ERFORMED T	ODAY?		YES		NO 🗸		
			AND ATTAC	H SUPPLEME	NTAL INITIAL F	PHASE CHECKLIST					
AL	Schedule No		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT			Index #
NITIAL											
_											
	WORK CO	OMPLIES	WITH CON	TRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES	/	NO		
	WORK CO	OMPLIES	1	ETY REQUIRE			YES	7	NO		
	Schedule No	,				ed & by whom, definable and list of personnel pre					
		00				ert cove used the Hy		e to monitor	the excavte	ed	
Ð						02 yards of material					
N -											
FOLLOW-UP											
뎐											
	CITEMS ID	ENTIFIED	O TODAY (N	NOT CORRECT	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity	RRECTED TODAY	(FROM REWORK	ITEMS LIST)	
N		Description	on				No.	Description			
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.			
Schedule N	e Activity	Description	on								
IN	0.										
		,	,	is report is com							
				and work perfor contract drawing	_	5	0	id J. K	Dario		
specificati	ions to the	best of my	y knowledge	e except as note	ed in this report	•	pari	0 9. N			27-Mar-13
			001/201				AUTHO	ORIZED QC MA	NAGER AT S	SITE	DATE
	ASSI IRANICE					NCE REPORT TO THE REPORT					
	e Activity	Description		NEWANNO AND/C	AL LAGER HONS	TO THE REPORT					
N	0.										
						·	GOVERNMENT C	UALITY ASSURA	NCE MANAGE	R	DATE
COMBIN	NED FOR	M 01450)-1 (9/98)					SH	EET 1 OF 1		

ATTACH ADDITIONAL SHEETS IF NECESSARY) AND PREPARATORY PINES WORK PERFORMED TOOKY AND PREPARATORY PINES WORK PERFORMED TOOKY FYES FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PINES WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WAS INTIAL PINES WORK PERFORMED TOOKY FYES FILL OUT AND ATTACH SUPPLEMENTAL PINES WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WAS INTIAL PINES WORK PERFORMED TOOKY FYES, FILL OUT AND ATTACH SUPPLEMENTAL PINES OF SHORE PRESENT WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? WORK COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? NO DURING INTIAL PINES. BENCH COMPLIES WITH LOCATEACT AS APPROVED DURING INTIAL PINES? PERFORMANCE AND AND ARROWS AND ARR				CONTR	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	28-Mar-13
AVAILABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT WAS INTIAL PHASE WORK PERFORMED TODAY? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE CHECKULST WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INTIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED WORK INTIAL PHASE? WORK COMPULES WITH SAFETY REQUIREMENTS? WORK COMPULES WITH SAFETY REQUIRE		_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	160
BEVEN FLIL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PRASE CHECOLIST WAS INTIAL PHASE WORK PERFORMED TODAY? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WIT							CONTRACT TITLE				Virgina
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST Sordelade Activity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH ASPETY REQUIREMENTS? Sordelade Activity No. 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REVIORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Sortedade Activity No. On beautif of the contract, Lentity that this report is complete and in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of										NO 🗸	
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST Sordelade Activity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH ASPETY REQUIREMENTS? Sordelade Activity No. 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REVIORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Sortedade Activity No. On beautif of the contract, Lentity that this report is complete and in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of	OR		A (' ')								
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST Sordelade Activity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH ASPETY REQUIREMENTS? Sordelade Activity No. 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REVIORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Sortedade Activity No. On beautif of the contract, Lentity that this report is complete and in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of	₹AT			DEFINABLE I	-EATURE OF	WORK, LO	OCATION AND LIS	PERSONNEL P	RESENI		Index #
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST Sordelade Activity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH ASPETY REQUIREMENTS? Sordelade Activity No. 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REVIORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Sortedade Activity No. On beautif of the contract, Lentity that this report is complete and in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of	PAF										
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST Sordelade Activity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH ASPETY REQUIREMENTS? Sordelade Activity No. 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REVIORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Sortedade Activity No. On beautif of the contract, Lentity that this report is complete and in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of the property in the property of	'nE										
Senedula Antity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? Senedula Antity No. INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PH	4										
Schedule Activity WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIVIL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? Senable Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES W								YES		NO 🗸	
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASS? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASS? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASS? Schedule Activity Schedule Activity Schedule Activity In Description REWORK TEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REWORK TEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklist 8em from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist 8em from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description AuthORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity Description AuthORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											I
WORK COMPLES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK Specification of work, isseling performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavled material. Excavated about 899 yards of material. **REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. **Schedule Activity** **Description** **Schedule Activity** **Description** **Schedule Activity** **Description** **Schedule Activity** **Description** **On behalf of the contractor, Loetify that this report is complete and correct and equipment and material used and work performed during this report is complete and correct and equipment and material used and work performed during this reporting princid is not compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. **Schedule Activity** **Description** **OVERNMENT QUALITY ASSURANCE REPORT** **OUTERNAMENT QUALITY ASSURANCE REPORT** **OUTERNAMENT QUALITY ASSURANCE MANAGER** **DATE** **OVERNMENT QUALITY ASSURANCE MANAGE	JAI.			DEFINABLE I	-EATURE OF	WORK, LO	OCATION AND LIS	PERSONNEL P	RESENT		Index #
WORK COMPLES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK Specification of work, isseling performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavled material. Excavated about 899 yards of material. **REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. **Schedule Activity** **Description** **Schedule Activity** **Description** **Schedule Activity** **Description** **Schedule Activity** **Description** **On behalf of the contractor, Loetify that this report is complete and correct and equipment and material used and work performed during this report is complete and correct and equipment and material used and work performed during this reporting princid is not compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. **Schedule Activity** **Description** **OVERNMENT QUALITY ASSURANCE REPORT** **OUTERNAMENT QUALITY ASSURANCE REPORT** **OUTERNAMENT QUALITY ASSURANCE MANAGER** **DATE** **OVERNMENT QUALITY ASSURANCE MANAGE	Z										
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. No. No. No. No. No. No. No.											
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. No. No. No. No. No. No. No.											
Schedule Activity No. No. No. Description of work, testing performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 19 & 2.0 at Descript cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. On behalf of the contractor, I certify that this report is complete and concrete and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and appendications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT BUILTY ASSURANCE REPRESENTATIVE REMARKS ANDOR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE							INITIAL PHASE?				
No. work, specifications section, location and list of personnel present 1700 Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also exclain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description REMARKS (Also exclain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and naterial used and work performed during this reporting period is completion and the contractor was properly period to completion with the contractor and the				_			0		✓	NO	
TOO Excavating in cell 19 & 20 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 899 yards of material.											
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description An behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE		17	00						ftware to monito	or the excavted	
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 28-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	-UP			material. E	xcavated at	out 899	yards of materia	<u>l. </u>			
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 28-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	δ										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 28-Mar-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE)LL										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	Ä										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	REWORK	(ITEMS IF	ENTIFIED	TODAY (NOT (CORRECTED B	Y CLOSE O	F BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FRO	M REWORK ITEMS LIST)	
REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE					JOHNEOTED D	1 02002 01	200111200)		,	WINE WORKETTEING EIGT)	
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT Schedule Activity No. GOVERNMENT QUALITY S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE AREPORT GOVERNMENT QUALITY ASSURANCE AREPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	N	0.	2000					No.	J GGG () PAGE.		
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT Schedule Activity No. GOVERNMENT QUALITY S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE AREPORT GOVERNMENT QUALITY ASSURANCE AREPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT Schedule Activity No. GOVERNMENT QUALITY S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE AREPORT GOVERNMENT QUALITY ASSURANCE AREPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
No. Description No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE			plain any F	Follow-Up phase	checklist item from	om above the	at was answered "NO")	. Manuf. Rep on site	e, etc.		
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE			Descriptio	n							
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE	On had "	of 41	tro ot '	outify, the exist "	antia I I	a a d					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE					•						
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE								harri	id J. No	nio	28-Mar-13
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			,	,							
Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			(GOVERNMEN	T QUALITY A	SSURANC	E REPORT				
No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			REPRESE	ENTATIVE'S REMA	RKS AND/OR EXC	EPTIONS TO	THE REPORT				
			Descriptio	on							
					•						
			<u> </u>								
						_		00//50///55	NIALITY ACCUSANCE	MANAGED	5 A T C
	COMBIN	IED FOR	M 01450	-1 (9/98)				GOVERNMENT C			DATE

			CONTRA	CTOR	QUALITY CO	NTROL	REPORT	DATE	4-Mar-13
			(4)	ATTACH ADDIT	TIONAL SHEETS IF NEC	ESSARY)		REPORT#	137
PHASE	CONTRA			-12-C-7004	CONTRACT TITL			dredging, Norfolk,	Virgina
			RY PHASE WORK F			YES		NO 🗸	
<u>۾</u>	<u> </u>		AND ATTACH SUPPL	EMENTAL PREF	PARATORY PHASE CHECK	IST			
AT	Schedule	e Activity o.	DEFINABLE FEA	TURE OF WOR	RK, LOCATION AND LIS	T PERSONNEL P	RESENT		Index #
PREPARATORY									
REF									
4									
	WAS INIT	TAL PHAS	SE WORK PERFORM	MED TODAY?		YES	S 🗌	NO 🗸	
			AND ATTACH SUPPL	EMENTAL INITIA	AL PHASE CHECKLIST				
AL	Schedule N	e Activity o.	DEFINABLE FEA	TURE OF WOR	RK, LOCATION AND LIS	T PERSONNEL P	RESENT		Index #
NITIAL									
=									
	WORK C	OMPLIES	WITH CONTRACT A	S APPROVED D	URING INITIAL PHASE?	YES	;	NO	
	WORK C	OMPLIES	WITH SAFETY REQ			YES	S 🔽	NO 🗌	
		e Activity			ormed & by whom, defination and list of personnel p				
	17	00			1 in cell 11 and 9 use		software to mor	nitor the excavted	
٩					1028 yards of mate				
^									
-OLLOW-UP									
Б									
	CITEMS ID	DENTIFIED	D TODAY (NOT COR	RECTED BY CLC	OSE OF BUSINESS)	_	,	DM REWORK ITEMS LIST)	
N	-	Description	on			Schedule Activity No.	Description		
REMARK	S (Also ex	plain any f	Follow-Up phase ched	cklist item from ab	ove that was answered "NO"). Manuf. Rep on site	e, etc.		
Schedul N	e Activity	Description	on						
IN	0.								
			certify that this report i						
			aterial used and work ace with the contract d		this	0	id J. Ro	an Hin	
specificat	ions to the	best of my	y knowledge except a	s noted in this rep	oort.	par	9. 100		4-Mar-13
			00\/ED\ \4E\ T 0		DANIOE DEDOOT	AUTH	ORIZED QC MANA	GER AT SITE	DATE
OLIALITY A	ASSI IB ANCI		GOVERNMENT Q ENTATIVE'S REMARKS						
Schedul	e Activity	Description		D/ON ENOUT HO	TO THE INEI OICE				
N	0.		-						
						GOVERNMENT O	QUALITY ASSURANCE		DATE
COMBIN	NED FOR	M 01450)-1 (9/98)				SHEE	T 1 OF 1	

			CONTRA	CTOR C	UALITY CO	NTROL	REPORT	DATE	5-Mar-13
			(A	TTACH ADDITI	ONAL SHEETS IF NECE	SSARY)		REPORT#	138
PHASE	CONTRA			12-C-7004	CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WORK P			YES		NO 🗸	
8	<u> </u>		AND ATTACH SUPPL	EMENTAL PREPA	ARATORY PHASE CHECKLI	ST			
PREPARATORY	Schedule N	e Activity o.	DEFINABLE FEAT	TURE OF WOR	K, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
AR									
<u>U</u>									
8									
	MAS INIT		SE WORK PERFORM	ED TODAY2		YES		NO 🗸	
					PHASE CHECKLIST	123		NO [4]	
		e Activity			K, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
INITIAL	N	0.	521110/152212/1		11, 200,11101171110 2101				maox n
Z									
	,								
					RING INITIAL PHASE?	YES		NO 🗌	
	-		WITH SAFETY REQU			YES	✓	NO	
	Schedule N	e Activity			med & by whom, definabl in and list of personnel pr				
		00			in cell 8 and 9 used		oftware to monit	or the excavted	
₽			material. Exca	vated about 8	346 yards of materia				
N-1									
-OLLOW-UP									
덛									
REWORK	K ITEMS ID	DENTIFIE	TODAY (NOT CORF	RECTED BY CLOS	SE OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM	M REWORK ITEMS LIST)	
	e Activity	Description	on			Schedule Activity	Description		
N	0.					No.			
		plain any f	Follow-Up phase chec	klist item from abo	ve that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedul	e Activity o.	Description	on						
			ertify that this report is						
			aterial used and work p ce with the contract dr	•	nis	1	-1160	avia	
			y knowledge except as		rt.	pari	id J. Ra		5-Mar-13
						AUTHO	ORIZED QC MANAG	GER AT SITE	DATE
			GOVERNMENT Q						
	ASSURANCE e Activity		ENTATIVE'S REMARKS A	AND/OR EXCEPTION	IS TO THE REPORT				
N	-	Description	on						
		•							
						00//55/11/55		MANIAOES	F T-
COMRIN	NED FOR	M 01450)-1 (9/98)			GOVERNMENT C	UALITY ASSURANCE SHEET		DATE
		5 1 730	(5,55)				OFFEET		

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	6-Mar-13
				(ATTACH A	.DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	139
	CONTRA			085-12-C-7004		CONTRACT TITLE			dredging, Norfolk,	Virgina
				RK PERFORME			YES		NO 🗸	
OR		A (' ')				ORY PHASE CHECKL		DECENT		La dave #
PREPARATORY	N		DEFINABLE	FEATURE OF	WORK, LC	DCATION AND LIST	PERSONNEL P	RESENT		Index #
PAI										
)RE										
				ORMED TODAY		SE CHECKLIST	YES		NO 🗸	
						OCATION AND LIST	DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI IIVADEE	TEATORE OF	WORK, EC	DOATION AND LIS	T ENGONNEET	RESERVI		IIIUGX #
Z										
							\/=0			
				CT AS APPROV REQUIREMENT		INITIAL PHASE?	YES YES		NO 🗌 NO 🦳	
						& by whom, definat		1 * 1		
	N ₄					d list of personnel p			-26	
4	17	00				ell 12 and 14 us yards of materia		software to mo	nitor the excavted	
N-U			materian E	nouvatou at	, out 00 !	yarao or materio				
-OLLOW-UP										
길										
_										
		ENTIFIED	TODAY (NOT	CORRECTED B	Y CLOSE OF	BUSINESS)		PRRECTED TODAY (FROI	M REWORK ITEMS LIST)	
Schedule	e Activity o.	Descriptio	on				Schedule Activity No.	Description		
							+			
REMARK	S (Also ex	plain any F	ollow-Up phase	checklist item fro	om above tha	at was answered "NO")	. Manuf. Rep on site	e, etc.		
Schedule		Descriptio	on							
140	0.									
				oort is complete a						
reporting p	period is in	complian	ce with the contr	act drawings and	ı		Door	id J. Ra	District	
specificati	ons to the	best of my	y knowledge exc	ept as noted in th	nis report.					6-Mar-13
			GOVERNMEN	IT QUALITY A	SSURANC	F REPORT	AUTHO	ORIZED QC MANAC	SER AT SITE	DATE
QUALITY A	SSURANCE			RKS AND/OR EXC						
Schedule		Descriptio	on							
IN	·.									
					_					
COMRIN	IED FOR	M 01450)-1 (9/98)				GOVERNMENT C	UALITY ASSURANCE SHEET	MANAGER 1 OF 1	DATE
		500	. (5.00)					O. I.E.E. I		

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPORT	DATE	7-Mar-13
				(ATTA	CH ADDITIC	NAL SHEETS IF NECE	SSARY)		REPORT#	140
PHASE	CONTRA			N40085-12-C		CONTRACT TITLE			e dredging, Norfolk,	Virgina
_					ORMED TODA		YES		NO 🗸	
OR,						RATORY PHASE CHECKLIS				I
AT	Schedule	e Activity o.	DEFINAB	LE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
ΑR										
PREPARATORY										
	WAS INIT	TAL PHAS	SE WORK P	ERFORMED T	ODAY?		YES		NO 🗸	
	IF YES, F	ILL OUT A	ND ATTAC	H SUPPLEME	NTAL INITIAL I	PHASE CHECKLIST				
AL.	Schedule N		DEFINAB	LE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK CO	OMPLIES	WITH CON	TRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES		NO	
	WORK C	OMPLIES	WITH SAFE	TY REQUIRE	MENTS?		YES		NO 🗌	
						ned & by whom, definable				
	17	00		cification sec Iging today		and list of personnel pre	esent			
₫.		00	140 0100	igirig today	· •					
\ ₩-L										
FOLLOW-UP										
F0.										
		ENTIFIED	O TODAY (N	IOT CORRECT	TED BY CLOSE	E OF BUSINESS)		PRRECTED TODAY (FF	ROM REWORK ITEMS LIST)	
	e Activity lo.	Description	on				Schedule Activity No.	Description		
DEMADE	S (Also ov	plain any F	Eollow I In ni	aasa shaaklist i	tom from about	e that was answered "NO").	Manuf Pan an site) oto		
	o A otivity	Description		iase checklist	terri irom above	e triat was ariswered TVO).	Mariai. Nep on site	5, 610.		
N	lo.	Descriptio								
On behalf	f of the con	tractor, I c	ertify that th	is report is com	plete and					
correct ar	nd equipme	ent and ma	aterial used	and work perfo	rmed during thi	s	^		and the same	
				contract drawin except as note	gs and ed in this report		pari	id J. D	arro	7-Mar-13
								ORIZED QC MAN		DATE
		(GOVERNI	MENT QUAL	ITY ASSURA	NCE REPORT				
		E REPRESE	ENTATIVE'S F	REMARKS AND/O	OR EXCEPTIONS	TO THE REPORT				
	e Activity lo.	Description	on							
							00//55/14/51/5	ALIALITY ACCUSATE	OF MANAGER	DATE
OOMBIA	VED FOR	M 01450)-1 (9/98)				GOVERNMENTC	UALITY ASSURAN SHEI	CE MANAGER ET 1 OF 1	DATE

### ATTACH ADDITIONAL SHEETS IF RECESSARY) ### ONTRACT NO. NOSE 12 C-7009 CONTRACT TITLE LITTLE CENT CRIEF MAINTENER SHEET RECESSARY) ### AS PREPARATORY PHASE WORK PERFORMED TOOAY? ### YES IN LOUT AND ATTACH SHEMPHARMINAL REPRESANCE WHASE CHOCKEST ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT NO. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT. ### ONTRACT				CON	TRACT	OR Q	JALITY CO	NTROL	REPORT	Γ DATE	1-Apr-13
WAS PREPARATIONY PAGE WORK PERFORMED TODAY? PYES INTO JAM DATION SUPPLIESHED METHIN A PREPARATORY PHASE CHECKLIST Grandian Activity Ms. WAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? PYES INTIAL PHASE WORK PERFORMED TODAY? WORK COMPUSE WITH CONTRACT AS APPROVED DURING INITIAL PHASE CHECKLIST WORK COMPUSE WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPUSE WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPUSE WITH SAFETY REQUIREMENTS? WORK COMPUSE WITH SAFETY REQUIR					(ATTAC	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT#	164
SERVINGE ACTION TO DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Mode	PHASE									ce dredging, Norfolk	, Virgina
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST INDICATE AND CONTRACT AS APPROVED ON THE APPROVED FOR THE APPROVED INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED ON THE	_									NO 🗸	
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST INDICATE AND CONTRACT AS APPROVED ON THE APPROVED FOR THE APPROVED INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED ON THE	OR,	· ·									
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST INDICATE AND CONTRACT AS APPROVED ON THE APPROVED FOR THE APPROVED INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED ON THE	ΑŢ			DEFINAE	SLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST INDICATE AND CONTRACT AS APPROVED ON THE APPROVED FOR THE APPROVED INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED ON THE	λAR										
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST INDICATE AND CONTRACT AS APPROVED ON THE APPROVED FOR THE APPROVED INTIAL PHASE CHECKLIST WORK COMPLIES WITH CONTRACT AS APPROVED ON THE	REF			-							
Sendedule Antity	۵										
Schedule Activity WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? Senable Activity No Work Complies with Safety Requirement and list of personnel present 1700 Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. BENORK ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Bestription BENORK ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Bestription BENORK ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Bestription Benorm Treas Correctors Today (Hord Merchanter) Schedule Activity No. Bestription Benorm Treas Correctors Today (Hord Merchanter) Schedule Activity No. Bestription Benorm Treas Correctors Today (Hord Merchanter) Schedule Activity No. Bestription Benorm Treas Correctors Today (Hord Merchanter) Benorm Treas Correctors Today (Hord Me		WAS INIT	TAL PHAS	SE WORK F	ERFORMED TO	DAY?		YES		NO 🗸	1
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? Schedule Activity Schedule Activity Schedule Activity Fig. No Excavating in ceil 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. To Excavating in ceil 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. REMARKS (Also explain any Follow-Up phase checklat item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity				AND ATTAC	H SUPPLEMEN	TAL INITIAL P	HASE CHECKLIST				
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. TYPE NO Work specification of work, separation of work lesting performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 19 at Desert cover used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Description REWORK ITEMS CONNECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Description On behalf of the contractor. Locatify that this report is complete and cornect and equament and material used and work performed during this reporting period is no compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity Description OULLITY ASSURANCE REPRESENTATIVE'S REMANDS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity Description AUTHORIZED QC MANAGER AT SITE OUVERNMENT QUALITY ASSURANCE REPORT OULLITY ASSURANCE REPRESENTATIVE'S REMANDS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity Description AUTHORIZED QC MANAGER AT SITE OUTER MANAGER OUTER MANAGER DATE	AL			DEFINAE	SLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. TYPE NO Work specification of work, separation of work lesting performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 19 at Desert cover used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Description REWORK ITEMS CONNECTED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Description On behalf of the contractor. Locatify that this report is complete and cornect and equament and material used and work performed during this reporting period is no compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity Description OULLITY ASSURANCE REPRESENTATIVE'S REMANDS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity Description AUTHORIZED QC MANAGER AT SITE OUVERNMENT QUALITY ASSURANCE REPORT OULLITY ASSURANCE REPRESENTATIVE'S REMANDS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity Description AUTHORIZED QC MANAGER AT SITE OUTER MANAGER OUTER MANAGER DATE	Ē										
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. Schedule Activity No. RECORD THE Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted T700 Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. EXCAVATE IN THE INTERPRETATION OF THE EXCAVATE OF ACTIVITY OF THE EXCAVATE OF T	_										
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. Schedule Activity No. RECORD THE Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted T700 Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. EXCAVATE IN THE INTERPRETATION OF THE EXCAVATE OF ACTIVITY OF THE EXCAVATE OF T											
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. Schedule Activity No. RECORD THE Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted T700 Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. EXCAVATE IN THE INTERPRETATION OF THE EXCAVATE OF ACTIVITY OF THE EXCAVATE OF T		WORK CO	OMPLIES	WITH CON	TRACT AS APP	ROVED DURI	NG INITIAL PHASE?	YES		NO 🗌	l
No. work, specifications section, location and list of personnel present 1700 Excavating in cell 19 at Desert over used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also exclain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and naterial used and work performed during this reporting period is completion and related used on dwilk performed during this reporting period is completion and related used on the correct of management of the period period is completion and related used on the correct of management of the period period is completion and related used and work performed during this reporting period is completion and related used and work performed during this reporting period is completion and related used and work performed during this reporting period is completion and related used and work performed during this reporting period is completion and related used and work performed during this reporting period is completion and related used and work performed during this reporting period is completion and related used and work performed during this report as a related to the period of the period perio		WORK CO	OMPLIES	WITH SAF	ETY REQUIREM	ENTS?				NO 🗌	
TOO Excavating in cell 19 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 766 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedular Activity No. Schedular Activity No. Description REMARKS (Also explain any Follow-Up phase checklist litem from above that was answered "NO"). Manuf. Rep on site, etc. Schedular Activity No. Description On behalf of the contractor. I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS ANDOR EXCEPTIONS TO THE REPORT Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE			,								
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedula Activity No. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. REWORK ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedula Activity No. 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT DUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT SCHEDULA ACTIVITY OF THE REPORT TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE									e to monitor t	the excavted	
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description Authorized of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. BOVERNMENT QUALITY ASSURANCE REPORT CUALITY ASSURANCE REPRESENTATIVES REMARKS ANDOR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	₫.	- '/	00						C to monitor i	ine exeavied	
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE	٦-٨										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE	ΓO										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS ANDOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description 1-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE	덩										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE	_										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
No. Description No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	REWORK	(ITEMS ID	ENTIFIED	O TODAY (N	IOT CORRECTE	D BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEMS LIST)	
REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE			Description	on					Description		
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE		<u>. </u>						1101			
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	DEMARK	C (Also sv	nlain anu [Fallaw I In n	haaa ahaakiist its	um fram abaya	that was answered "NO"\	Manuf Dan an aite	n ete		
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Authorized QC Manager at Site Date		o A otivity			nase checklist lie	ili liolii above	that was answered NO).	Mariur. Rep on site	s, etc.		
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE	N	0.	Descriptio) ii							
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE	On hehalf	of the con	tractor Lo	ertify that th	is report is comp	lete and					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	correct an	nd equipme	ent and ma	aterial used	and work perforn	ned during this					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE								harri	1 1. h	ario	1-Apr-13
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE				,							·
Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			(GOVERNI	MENT QUALIT	Y ASSURAI	NCE REPORT				
No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			E REPRESE	ENTATIVE'S I	REMARKS AND/OF	REXCEPTIONS	TO THE REPORT				
			Description	on							
			<u>[</u>								
	COMBIN	JED F∩P	M 01450)-1 (9/98)				GOVERNMENT C			DATE

			CONTR	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	10-Apr-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	173
	CONTRA			085-12-C-7004		CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WOR			ORY PHASE CHECKL	YES		NO 🗸	
OR	Schedule	A (' ')						DECENIT		
PREPARATORY	N		DEFINABLE F	-EATURE OF	WORK, LO	DCATION AND LIS	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			E WORK PERF				YES		NO 🗸	
						ASE CHECKLIST				
INITIAL	N		DEFINABLE F	EATURE OF	WORK, LO	DCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY F			0 h	YES	.	NO	
	Schedule N					& by whom, definated list of personnel p				
			Excavating	in cell 18 a	t Desert	cove used the F	ypack softwar	e to monitor the	excavted	
٠ÜP			material. Ex	cavated ab	out 108	5 yards of mate	ial.			
V										
FOLLOW-UP										
FC										
DEWORK	TEMO I		TODAY (NOT (CODDECTED D	V CL OSE O	- DUCINITOC)	DEWORK ITEMS OF	DRRECTED TODAY (FROM	A DEWODK ITEMO LIGTY	
	e Activity	Descriptio		ORRECTED B	T CLOSE OF	- BUSINESS)	Schedule Activity	Description	W REWORK HEMS LIST)	
N	0.	Descriptio	лі 				No.	Description		
	•	plain any F	ollow-Up phase	checklist item fro	om above tha	at was answered "NO")	. Manuf. Rep on site	e, etc.		
Schedule N		Descriptio	n							
			ertify that this rep aterial used and w	•						
			ce with the contra				Dann	id J. Ra	Nio	10 Apr 12
specificati	ons to the	best of my	/ knowledge exce	epi as noted in tr	iis report.			ORIZED QC MANAG		10-Apr-13 DATE
		(GOVERNMEN	T QUALITY A	SSURANC	E REPORT	AUTH	STILLD GO IVIAINAG	LIVAT OHL	DAIL
QUALITY A	SSURANCE		ENTATIVE'S REMA							_
Schedule N		Descriptio	on							
					_					
COMBIN	IED FOR	M 01/50	L1 (Q/QR)				GOVERNMENT C	UALITY ASSURANCE SHEET		DATE
COMPIL	ILD FOR	.ivi U 145U	r (3/30)					SHEET	ı OF I	

			CONTRA	ACTOR	QUALITY CC	NTROL	REPORT	DATE	11-Apr-13
				(ATTACH ADD	DITIONAL SHEETS IF NEC	ESSARY)		REPORT#	174
PHASE	CONTRA			5-12-C-7004	CONTRACT TITLE		reek maintence dre		Virgina
>			RY PHASE WORK			YES		NO 🗸	
OR	,	e Activity			EPARATORY PHASE CHECKL				
PREPARATORY	N		DEFINABLE FE	ATURE OF WO	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
REI									
Δ.									
	WAS INIT	TAL PHAS	E WORK PERFOR	MED TODAY?		YES		NO 🗸	
					TIAL PHASE CHECKLIST				
Ι	Schedule	e Activity o.	DEFINABLE FE	ATURE OF WO	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
INITIAL									
_	-								
	WORK C	OMPLIES	WITH CONTRACT	AS APPROVED	DURING INITIAL PHASE?	YES	✓	NO L	
	WORK CO	OMPLIES	WITH SAFETY RE	QUIREMENTS?		YES	✓ I	NO 🗌	
		,			formed & by whom, definab ation and list of personnel p				
	17	00			Desert cove used the H		e to monitor the ex	cavted	
٩					ut 241 yards of materia				
N -									
-OLLOW-UP									
뎐									
	-								
		DENTIFIED	TODAY (NOT CO	RRECTED BY C	LOSE OF BUSINESS)		PRRECTED TODAY (FROM R	EWORK ITEMS LIST)	
Scriedul	e Activity lo.	Description	n			Schedule Activity No.	Description		
						+			
REMARK	S (Also ex	plain any F	Follow-Up phase ch	ecklist item from a	above that was answered "NO")	. Manuf. Rep on site	e, etc.		
Schedul	e Activity	Description	• •		,		,		
N	0.								
On behalf	f of the con	tractor, I c	ertify that this repor	t is complete and					
			terial used and wor ce with the contract	•	ng this	0	-110		
			/ knowledge except		eport.	pari	id J. Nar	140	11-Apr-13
						AUTHO	DRIZED QC MANAGEI	R AT SITE	DATE
				-	URANCE REPORT				
	ASSURANCE e Activity			S AND/OR EXCEPT	TIONS TO THE REPORT				
N	,	Description	on						
				<u> </u>					
						GOVERNMENT	QUALITY ASSURANCE MA	ANAGER	DATE
	JED EOR	M 01450	-1 (9/98)			JO. LIGHTLINI G	SHEET 1		5,112

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPORT	DATE	12-Apr-13
	_			(ATTA	CH ADDITIC	NAL SHEETS IF NECE			REPORT#	175
PHASE	CONTRA			N40085-12-C		CONTRACT TITLE			ce dredging, Norfol	k, Virgina
>				WORK PERF			YES		NO 🗸	
ÖR	Schedule					RATORY PHASE CHECKLIS				
PREPARATORY	N		DEFINAL	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE			<u> </u>							
<u> </u>										
				PERFORMED T			YES		NO 🗸	
			AND ATTAC	CH SUPPLEME	NTAL INITIAL I	PHASE CHECKLIST				
ΙAL	Schedule No		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK CO	OMPLIES	WITH CON	ITRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES		NO	•
	WORK CO	OMPLIES	1	ETY REQUIRE			YES	✓	NO	
	Schedule No	,				ed & by whom, definable and list of personnel pre				
		00				Hypack software to		excavted		
J.			materia	al. Excavate	ed about 5	68 yards of materia	l.			
-M										
FOLLOW-UP										
6										
	CITEMS ID e Activity			NOT CORREC	TED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity		FROM REWORK ITEMS LIST)	
N		Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist	item from above	e that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedul N	e Activity	Description	on							
	0.									
				nis report is com						
				and work perfo contract drawin	-	5	0	id J. R	DARKO	
specificati	ions to the	best of my	y knowledg	e except as note	ed in this report	•				12-Apr-13
			00\/EDN	MENT OLIAL	ITA A COLUDA	NOT DEPORT	AUTHO	ORIZED QC MA	NAGER AT SITE	DATE
QUALITY A	ASSURANCE					NCE REPORT TO THE REPORT				
Schedul	e Activity	Description			LAGET HONG					
N	0.									
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE
COMBIN	NED FOR	M 01450)-1 (9/98)					SHI	EET 1 OF 1	

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	15-Apr-13
	_			(ATTACH A	ADDITIONA	AL SHEETS IF NECI	ESSARY)		REPORT#	178
	CONTRA			085-12-C-700		CONTRACT TITLE		reek maintence d		Virgina
			RY PHASE WO				YES		NO 🗸	
OR	Schedule					ORY PHASE CHECKL		DE051/T		
PREPARATORY	N		DEFINABLE	FEATURE OF	· WORK, L	OCATION AND LIST	PERSONNEL P	RESENI		Index #
PAF										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
		ILL OUT A e Activity				ASE CHECKLIST				
INITIAL	N		DEFINABLE	FEATURE OF	- WORK, L	OCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						G INITIAL PHASE?	YES		NO _	
			WITH SAFETY			0 hh	YES	√	NO	
	Schedule N	,				& by whom, definab ad list of personnel p				
	17	00	Excavating	in cell 15,	10 used t	the Hypack softw	are to monitor	r the excavted		
-UP			material. E	xcavated a	bout 848	yards of materia	al			
Ò										
FOLLOW-UP										
F										
DEW/ODK	TEMO IF	SENITICIE	TODAY (NOT	CODDECTED	2V CL 08E 0	E DI IGINEGO)	DEWORK ITEMS CO	PRRECTED TODAY (FROM	DEWORK ITEMS LIST	
	e Activity	Description	•	CONNECTEDE	OT CLOSE O	i bosiness)	Schedule Activity	Description	KEWOKK TEMS LIST)	
N	0.	Description					No.	Везеприон		
							1			
REMARK Schedule	•	plain any F	Follow-Up phase	checklist item for	rom above th	at was answered "NO")	Manuf. Rep on site	e, etc.		
N		Description	on							
			ertify that this reparterial used and v							
			ce with the contr y knowledge exc				Dans	id J. Ra	vio	15-Apr-13
specificati	ons to the	Desi Oi III)	y knowledge exc	ept as noted in t	riis report.		-	ORIZED QC MANAGI		DATE
		(GOVERNMEN	IT QUALITY A	ASSURANC	CE REPORT	AOTH	S. TIELD GO MAINAOI		DATE
		E REPRESE	ENTATIVE'S REMA	RKS AND/OR EX	CEPTIONS TO	THE REPORT				
Schedule N		Description	on							
					_					
COMBIN	IED FOR	M 01450	1-1 (9/98)				GOVERNMENT Q	UALITY ASSURANCE N SHEET		DATE
	יבטו טע		, 1 (3/30)					SHLET	. 🗸 .	

			CONTR	ACTOR	QUALIT	Y COI	NTROL	REPORT	DATE	16-Apr-13
				(ATTACH AD	DITIONAL SHEETS	S IF NECES	SARY)		REPORT#	179
	CONTRA			85-12-C-7004		CT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WOR				YES		NO 🗸	
OR		e Activity			REPARATORY PHASE					
PREPARATORY	N		DEFINABLE F	EATURE OF W	ORK, LOCATION A	AND LIST F	PERSONNEL PI	RESENT		Index #
PAF										
RE										
4										
	_		SE WORK PERFO				YES		NO 🗸	
_		ILL OUT A e Activity			ITIAL PHASE CHECKL					I
INITIAL	N		DEFINABLE F	EATURE OF W	ORK, LOCATION A	AND LIST F	PERSONNEL PI	RESENT		Index #
Z										
					D DURING INITIAL PH	ASE?	YES		NO _	
			WITH SAFETY R				YES	✓	NO L	
	Schedule N	,			erformed & by whom cation and list of per					
	17	00	Excavating i	n cell 13,14	and 9 used the	Hypack s		onitor the exca	vted	
-UP			material. Ex	cavated abo	out 774 yards of	material.				
Ò										
-OLLOW-UP										
F										
DE/M/ODK	TEMO IF	SENITICIE		ADDECTED BY	CLOSE OF BUSINESS	2) Ir	DEWORK ITEMS CO	ADDECTED TODAY (ED)	OM REWORK ITEMS LIST)	
	e Activity	Description	·	OKKLOTED DT	DECOL OF BOOMEOU		Schedule Activity	Description	OWNEWORK HEWS LIST)	
N	0.	Description	<i>,</i> 11				No.	Везеприон		
	•	plain any F	Follow-Up phase o	hecklist item from	above that was answe	ered "NO"). N	Manuf. Rep on site	, etc.		
Schedule	e Activity o.	Description	on							
			ar a cont							
			ertify that this repo aterial used and wo	•						
			ce with the contract with the contract with the with the with the contract with the with the with the with the with the with the contract with the with the contract with the with the contract with the with the contract with the with the w		report		Davi	d J. Do	avio	16-Apr-13
Specificati	ons to the	Desi Oi III)	y kilowiedge excep	n as noted in this	report.	=		ORIZED QC MANA		DATE
			GOVERNMENT	QUALITY AS	SURANCE REPOR	Т	7,01110	JULIED GO WINTO	CERTIFICATE	DATE
		E REPRESE	ENTATIVE'S REMAR	KS AND/OR EXCE	PTIONS TO THE REPORT	Г				
Schedule N	e Activity o.	Description	on							
COMBIN	IED FOR	M 01450	1-1 (9/98)			(GOVERNMENT Q	UALITY ASSURANC SHEE	E MANAGER T 1 OF 1	DATE
	יבטו טע	vi U 1430	, , (0,30)					SHEE		

			CONTR	ACTOR	QUALIT	A COL	NTROL	REPORT	DATE	17-Apr-13
				(ATTACH AD	DITIONAL SHEET	S IF NECES	SARY)		REPORT#	180
	CONTRA			85-12-C-7004		ACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WOR				YES		NO 🗸	
OR	Schedule	A (' ')			REPARATORY PHAS			DE05117		
PREPARATORY	N		DEFINABLE F	EATURE OF W	ORK, LOCATION	AND LIST F	ERSONNEL PI	RESENT		Index #
PAF										
RE										
4										
	_		SE WORK PERFO				YES		NO 🗸	
_					ITIAL PHASE CHECK					I
INITIAL	N		DEFINABLE F	EATURE OF W	ORK, LOCATION	AND LIST F	PERSONNEL PI	RESENT		Index #
Z										
					D DURING INITIAL PI	HASE?	YES		NO L	
		1	WITH SAFETY R		erformed & by whor	m dofinable	YES feature of	<u> </u>	NO	
	Schedule				cation and list of pe					
	17	00					are to monito	or the excavted		
-UP			material. Ex	cavated abo	ut 701 yards o	f material.				
Ŏ.										
-OLLOW-UP										
Ĭ										
REWORK	(ITEMS ID	ENTIFIED	O TODAY (NOT C	ORRECTED BY	CLOSE OF BUSINES	S) F	REWORK ITEMS CO	PRRECTED TODAY (FROM	M REWORK ITEMS LIST)	
	e Activity	Descriptio	on				Schedule Activity	Description		
N	0.						No.			
551451	0 (4)									
	S (Also ex e Activity			hecklist item from	above that was answ	vered "NO"). N	lanut. Rep on site	, etc.		
N		Descriptio	on ————————————————————————————————————							
On behalf	of the con	tractor Lo	ertify that this repo	ort is complete an	d					
correct an	ıd equipme	ent and ma	aterial used and wo	ork performed du			^		3.40	
			ce with the contract y knowledge excep		report.		pari	d J. Ra	NO	17-Apr-13
						_		ORIZED QC MANAG		DATE
					SURANCE REPOR					
	SSURANCE e Activity			KS AND/OR EXCE	PTIONS TO THE REPOR	!T				
N		Descriptio	on							
						(OVERNMENT Q	UALITY ASSURANCE	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET		

			CONTR	ACTO	R QU	ALITY C	TNO	ROL I	REPOI	RT	DATE	18-Apr-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NE	CESSA	RY)			REPORT#	181
PHASE		ACT NO.		85-12-C-7004		CONTRACT TIT	LE				ging, Norfolk	, Virgina
>			RY PHASE WOR				KLIOT	YES		NC) \[
OR		e Activity				ORY PHASE CHEC						
PREPARATORY	N		DEFINABLE F	EATURE OF	WORK, LC	CATION AND L	STPER	SONNEL PI	RESENT			Index #
PAF												
RE												
4												
	_		SE WORK PERFO					YES		NC) <	
		ILL OUT A e Activity	ND ATTACH SUI									1
INITIAL	N		DEFINABLE F	EATURE OF	WORK, LC	CATION AND L	ST PER	SONNEL PI	RESENT			Index #
						INITIAL PHASE?		YES		NC		
			WITH SAFETY R			0	-1-1- (YES	√	NC)	
	Schedule N	,				& by whom, defir d list of personne						
	17	'00	Excavating	in cell 2 an	d 6 used	the Hypack s	oftware		or the exc	avted		
Ρ̈́			material. Ex	cavated ab	out 1110	0 yards of ma	terial.					
Š												
FOLLOW-UP												
Ä												
REWORK	K ITEMS IF	ENTIFIE	TODAY (NOT C	ORRECTED BY	Y CLOSE OF	BUSINESS)	REW	ORK ITEMS CO	RRECTED TOD	AY (FROM REW	/ORK ITEMS LIST)	
	e Activity	Description	•	OTTITE D	. 02002 01	D00111200)		edule Activity	Description	AL (LICONITE)	TOTAL TIEMO EIGT)	
N	lo.	2000p0						No.	2000			
	S (Also ex e Activity	plain any F	Follow-Up phase o	hecklist item fro	om above tha	t was answered "No	D"). Manı	uf. Rep on site	, etc.			
	lo.	Description	on									
On had "	f of th	tro et -: '	outifulti 4 41 °	out la commit d	d							
			ertify that this repo aterial used and w					1.2		0		
			ce with the contra- y knowledge excep					Darvi	d 1.	Dar	O	18-Apr-13
			,							MANAGER /		DATE
		(GOVERNMENT	QUALITY A	SSURANC	E REPORT						
		E REPRESE	ENTATIVE'S REMAR	KS AND/OR EXC	EPTIONS TO	THE REPORT					·	
	e Activity lo.	Description	on									
					_		cov	EDNIMENT O	IIAI ITV ACCI	JRANCE MAN.	AGER	DATE

			CON	TRACT	OR Q	JALITY CO	NTROL	REPORT	T DATE	2-Apr-13
				(ATTA	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT#	165
PHASE	CONTRA			N40085-12-C-	-7004	CONTRACT TITLE	Little C		ce dredging, Norfoll	k, Virgina
_				WORK PERFO			YES		NO 🗸	
OR,						ATORY PHASE CHECKLIS				
PREPARATORY	Schedule	e Activity o.	DEFINAE	BLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
λAR										
REF										
۵										+
	WAS INIT	TAL PHAS	SE WORK F	ERFORMED TO	ODAY?		YES		NO 🗸	'
	<u> </u>		AND ATTAC	H SUPPLEMEN	NTAL INITIAL F	PHASE CHECKLIST			_	
٩٢	Schedule N	e Activity o.	DEFINAE	BLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK CO	OMPLIES	WITH CON	TRACT AS APF	PROVED DUR	NG INITIAL PHASE?	YES		NO 🗌	
				ETY REQUIREM			YES		NO 🗌	
	Schedule	e Activity				ed & by whom, definable				
	17	o. '00				and list of personnel pre		coftware to n	nonitor the excavte	d
۵	17	00				ards of material.	тите гтураск	Software to 1	HOHILOF LITE EXCAVLE	J
FOLLOW-UP					<u></u>					
ĺ										
Ö										
ш.										
REWORK	L (ITEMS ID	DENTIFIED	D TODAY (N	IOT CORRECTI	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedul	e Activity	Description				,	Schedule Activity	Description	·	
N	0.						No.	<u>'</u>		
	_ `	i i		hase checklist it	em from above	that was answered "NO").	Manuf. Rep on site	e, etc.		
Scriedul	e Activity o.	Description	on							
				is report is comp and work perforr						
reporting	period is in	complian	nce with the	contract drawing	s and		Dans	id J. R	ON HO	
specificat	ions to the	best of my	y knowledge	e except as note	d in this report.		- 60007			2-Apr-13
			COVEDNI	MENT OHALI	TV ASSLIDA	NCE REPORT	AUTHO	JRIZED QC MA	NAGER AT SITE	DATE
QUALITY A	ASSURANCE					TO THE REPORT				
Schedul	e Activity	Description				-				
N	0.									
			·							
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE
COMBIN	NED FOR	M 01450	0-1 (9/98)					SH	EET 1 OF 1	

			CONT	RACTOF	R QU	ALITY CC	NTROL	REPORT	DATE	22-Apr-13
	_			(ATTACH AI	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	185
	CONTRA			085-12-C-7004		CONTRACT TITLE		reek maintence dr		Virgina
				RK PERFORMED		ORY PHASE CHECKL	YES		NO 🗸	
OR		A (' ')				DCATION AND LIST		DESENT		Index #
PREPARATORY	N	0.	DEI IIVADEE	TEATORE OF	VVOICIC, EC	JOANION AND LIS	TERSONNELT	INCOLIVI		IIIuex #
:PA										
PRE										
		5	- WORK BER	200450 70044	•		\/F0	1 1	NO 1 d	
				ORMED TODAY? JPPLEMENTAL II		ASE CHECKLIST	YES		NO 🗸	
بـ	Schedule	e Activity				DCATION AND LIST	PERSONNEL P	RESENT		Index #
INITIAL	N ₁	0.								
Z										
	WORK C		WITH CONTRA		ED DI IRING	INITIAL PHASE?	YES		NO	
				REQUIREMENTS		, INTINET TINGE:	YES		NO 🗌	
						& by whom, definab				
	17			ation section, lo		d list of personnel p	resent			
Ъ	.,	00	rto aroagin	g or plaoring	ourid					
)-W										
FOLLOW-UP										
БО										
2514021	() T = 1 10 15		TOP AV (1) OT	000000000000000000000000000000000000000	. 0. 005 0		I			
	e Activity			CORRECTED BY	CLOSE OF	- BUSINESS)	Schedule Activity	Description	REWORK ITEMS LIST)	
N	0.	Descriptio	on				No.	Description		
	S (Also ex e Activity	plain any F	Follow-Up phase	checklist item fro	m above tha	at was answered "NO")	. Manuf. Rep on site	e, etc.		
N		Descriptio	on							
On hehalf	of the con	tractor Lo	ertify that this re	port is complete a	nd					
correct an	ıd equipme	ent and ma	aterial used and v	work performed di			^	-110		
				act drawings and ept as noted in thi	is report.		pari	id J. Ron	NO	22-Apr-13
							AUTHO	ORIZED QC MANAGE	R AT SITE	DATE
				IT QUALITY AS						
	SSURANCE e Activity			RKS AND/OR EXCE	EPTIONS TO	IHE REPORT				
N		Descriptio)f1							
							GOVERNMENT C	QUALITY ASSURANCE M	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET 1	OF 1	

			CONTR	ACTOR	QUALITY CC	NTROL	REPORT	DATE	23-Apr-13
	_			(ATTACH ADI	DITIONAL SHEETS IF NEC	ESSARY)		REPORT#	186
	CONTRA			85-12-C-7004	CONTRACT TITLE		reek maintence dre		Virgina
				K PERFORMED T PDI EMENTAL PR	TODAY? EPARATORY PHASE CHECKL	YES IST	·	10 🗸	
OR	Schedule	A (' ')			ORK, LOCATION AND LIST		DESENT		Index #
PREPARATORY	N	0.	DEI IIVADEE I	LATORE OF W	ONN, EGGATION AND LIST	T LIXOUNILL I	RESERVI		muex #
:PA									
PRE									
	14/40 1511	5	E WORK BEREO	D. 150 T.O.D. 1./O.		V/E0		10 1	
			E WORK PERFC IND ATTACH SU		TIAL PHASE CHECKLIST	YES	· 🗀	10 🗸	
بـ	Schedule	e Activity			ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
INITIAL	N	0.							
Z									
	WORK C		WITH CONTRAC	T AS APPROVED	DURING INITIAL PHASE?	YES	: ./	10	
				EQUIREMENTS?		YES		10 [
	Schedule				rformed & by whom, definab				
	17			tion section, loc or placing s	ation and list of personnel prand	resent			
Ъ	.,	00	rto drodging	or placing o	una				
)-W									
FOLLOW-UP									
БО									
2514021	() = = 10 15		TODAY (NOT 0		N 005 05 BUONESO)	T			
	Activity			ORRECTED BY C	CLOSE OF BUSINESS)	Schedule Activity	DESCRIPTION OF THE PROPERTY OF	WORK ITEMS LIST)	
N	0.	Descriptio	on			No.	Description		
	S (Also ex e Activity	plain any F	Follow-Up phase o	hecklist item from	above that was answered "NO")	Manuf. Rep on site	e, etc.		
N		Descriptio	n						
On behalf	of the con	tractor Lo	ertify that this repo	ort is complete and	1				
correct an	d equipme	ent and ma	terial used and we	ork performed duri		0	-110	40	
			ce with the contract knowledge excer	ot drawings and ot as noted in this	report.	pari	id J. Par	40	23-Apr-13
						AUTHO	ORIZED QC MANAGER	R AT SITE	DATE
				-	SURANCE REPORT				
	SSURANCE Activity			KS AND/OR EXCEP	TIONS TO THE REPORT				
N		Descriptio	VII .						
						GOVERNMENT C	QUALITY ASSURANCE MA	NAGER	DATE
COMBIN	IED FOR	M 01450	-1 (9/98)				SHEET 1 C	OF 1	

			CONTR	RACTOF	r quai	LITY CO	NTROL	REPOR'	T DATE	24-Apr-13
	_			(ATTACH AE	DDITIONAL S	HEETS IF NECE	ESSARY)		REPOR	RT# 187
PHASE	CONTRA)85-12-C-7004		ONTRACT TITLE			nce dredging, N	orfolk, Virgina
>			RY PHASE WOR			A DULA CE CUECUA	YES		NO 🗸	
OR		e Activity				PHASE CHECKL		DE0511T		
PREPARATORY		0.	DEFINABLE F	EATURE OF V	NORK, LOCA	TION AND LIST	PERSONNEL P	RESENI		Index #
PAF										
RE										
4										
			SE WORK PERFO				YES		NO 🗸	
		ILL OUT A e Activity	ND ATTACH SU							<u> </u>
INITIAL	N		DEFINABLE F	EATURE OF V	NORK, LOCA	ATION AND LIST	PERSONNEL P	RESENT		Index #
	-									
			WITH CONTRAC			TIAL PHASE?	YES		NO 🗌	
			WITH SAFETY R			ham dafinah	YES	√	NO	
	Schedule	e Activity o.				y whom, definab It of personnel pi				
					monitored (our progress	by using hypa	ck bucket file	es.	
J-			placed 440	yards.						
ò										
FOLLOW-UP										
Щ	-									
REWOR	I K ITEMS ID	DENTIFIE	TODAY (NOT C	ORRECTED BY	CLOSE OF BU	SINESS)	REWORK ITEMS CO	RRECTED TODAY	(FROM REWORK ITEMS	S LIST)
Schedul	le Activity	Description	·				Schedule Activity	Description	(
N	√ 0.						No.			
	(S (Also ex le Activity	i i		checklist item from	m above that wa	as answered "NO").	Manuf. Rep on site	, etc.		
	No.	Description	on							
On babal	f of the ar-	tractor 1 -	ertify that this rep	ort is complete =:	nd					
			aterial used and w	•					`	
			ce with the contra y knowledge exce		s report.		Darre	d J. R	Javio	24-Apr-13
ľ		•	, 0		·		-		NAGER AT SITE	DATE
			GOVERNMEN [*]	T QUALITY AS	SURANCE R	EPORT				
				,						
			ENTATIVE'S REMAR	-	PTIONS TO THE	REPORT				
Schedul	ASSURANCI le Activity lo.		ENTATIVE'S REMAR	-	EPTIONS TO THE	REPORT				
Schedul	le Activity	E REPRESE	ENTATIVE'S REMAR	-	EPTIONS TO THE	REPORT				
Schedul	le Activity	E REPRESE	ENTATIVE'S REMAR		PTIONS TO THE	REPORT				
Schedul	le Activity	E REPRESE	ENTATIVE'S REMAR		EPTIONS TO THE	REPORT				
Schedul	le Activity	E REPRESE	ENTATIVE'S REMAR		PTIONS TO THE	REPORT				
Schedul	le Activity	E REPRESE	ENTATIVE'S REMAR		PTIONS TO THE	REPORT	GOVERNMENT C	IIIAI ITV ACCI ID/	ANCE MANAGED	DATE

			CONTR	ACTOR	QUALITY CC	NTROL	REPORT	DATE	25-Apr-13
	_			(ATTACH ADD	DITIONAL SHEETS IF NEC	ESSARY)		REPORT#	188
	CONTRA			85-12-C-7004	CONTRACT TITLE		reek maintence dr		Virgina
				K PERFORMED T		YES		NO 🗸	
OR	Schedule	A 11 11			EPARATORY PHASE CHECKL		DE051/T		
PREPARATORY	N		DEFINABLE FI	EATURE OF W	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
RE									
4									
			E WORK PERFO			YES		NO 🗸	
		A .1 11			TIAL PHASE CHECKLIST				
INITIAL	N		DEFINABLE FI	EATURE OF W	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
Z									
					DURING INITIAL PHASE?	YES		NO _	
		1	WITH SAFETY R		wfa	YES	✓	NO	
	Schedule No				rformed & by whom, definab ation and list of personnel p				
					8 monitored our progre	ess by using hy	/pack bucket files.		
-UP			placed 595	yards.					
ο									
FOLLOW-UP									
F									
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	ORRECTED BY C	LOSE OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM R	REWORK ITEMS LIST)	
Schedule	e Activity	Descriptio				Schedule Activity	Description		
N	0.					No.			
	S (Also explored Activity		• •	hecklist item from	above that was answered "NO")	. Manuf. Rep on site	e, etc.		
N		Descriptio	on						
On hohalf	of the con	tractor Lo	artify that this rand	ort is complete and	1				
correct an	ıd equipme	ent and ma	iterial used and wo	ork performed duri					
			ce with the contract knowledge excep	ct drawings and ot as noted in this r	report.	Warre	id J. Par	Sign	25-Apr-13
		-				- 10107	ORIZED QC MANAGE		DATE
		(GOVERNMENT	QUALITY ASS	SURANCE REPORT				
	SSURANCE e Activity	REPRESE	NTATIVE'S REMAR	KS AND/OR EXCEP	TIONS TO THE REPORT				
N		Descriptio	on						
						GOVERNMENT	QUALITY ASSURANCE M	ANAGER	DATE
COMBIN	IED FOR	M 01450	1-1 (9/98)				SHEET 1		2=

			CONTR	ACTOR	QUALITY CO	NTROL	REPORT	DATE	26-Apr-13
	_			(ATTACH ADDI	TIONAL SHEETS IF NECE	SSARY)		REPORT#	189
PHASE	CONTRA			5-12-C-7004	CONTRACT TITLE		reek maintence dr		Virgina
>			RY PHASE WORK			YES		NO 🗸	
OR	Schedule	A 11 11			PARATORY PHASE CHECKLI		DE051/IT		
PREPARATORY	N		DEFINABLE FE	ATURE OF WO	RK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
, RE									
4									
			E WORK PERFOR			YES		NO 🗸	
		A .1 11			AL PHASE CHECKLIST				
INITIAL	N		DEFINABLE FE	ATURE OF WC	RK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
					DURING INITIAL PHASE?	YES		NO _	
		1	WITH SAFETY RE			YES	√	NO	
	Schedule No				ormed & by whom, definabl tion and list of personnel pr				
					monitored our progre	ss by using hy	/pack bucket files.		
J-			placed 476	/ards.					
ò									
FOLLOW-UP									
Е									
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT CO	RRECTED BY CL	OSE OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM R	REWORK ITEMS LIST)	
Schedul	e Activity	Descriptio				Schedule Activity	Description		
N	0.					No.			
	S (Also explored Activity			ecklist item from a	bove that was answered "NO").	Manuf. Rep on site	e, etc.		
N		Descriptio	n						
On hehalf	of the con	tractor I o	ertify that this repo	t is complete and					
correct an	ıd equipme	ent and ma	terial used and wo	rk performed during	g this			V-1	
			ce with the contract knowledge except		port.	Mari	id J. Nar	Sico	26-Apr-13
		,	- '			- 10107	ORIZED QC MANAGE		DATE
		(GOVERNMENT	QUALITY ASSU	IRANCE REPORT				
	SSURANCE e Activity	REPRESE	NTATIVE'S REMARK	S AND/OR EXCEPTI	ONS TO THE REPORT				
N		Descriptio	n						
						GOVERNMENT	QUALITY ASSURANCE MA	ANAGER	DATE
COMBIN	NED FOR	M 01450	-1 (9/98)				SHEET 1		2=

			CONTR	ACTOR	QUALITY CO	NTROL	REPORT	DATE	29-Apr-13
	_			(ATTACH ADD	DITIONAL SHEETS IF NECE	SSARY)		REPORT#	192
	CONTRA			85-12-C-7004	CONTRACT TITLE		reek maintence dre		Virgina
				K PERFORMED T	ODAY? EPARATORY PHASE CHECKLI	YES st		10 🗸	
OR	Schedule				ORK, LOCATION AND LIST		DECENT		Index #
PREPARATORY	N		DEFINABLE F	EATURE OF W	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		muex #
ΙÞΑ									
PRE									
	_		SE WORK PERFO		FIAL PHASE CHECKLIST	YES	L N	IO 🗹	
		e Activity			ORK, LOCATION AND LIST	DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI IIVADEE I	LATORE OF W	ORR, LOCATION AND LIST	TENSONNELT	KLOLIVI		muex #
Z									
						\/=0		10.1	
				T AS APPROVED EQUIREMENTS?	DURING INITIAL PHASE?	YES YES		10 10	
					formed & by whom, definab				
	N	,	work, specifica	tion section, loca	ation and list of personnel pr	esent			
a			Placed sand		d 20 monitored our pro	gress by usin	g hypack bucket file	es.	
N-U			placed 100	yaius.					
FOLLOW-UP									
.oL									
ш									
		ENTIFIED	TODAY (NOT C	ORRECTED BY C	LOSE OF BUSINESS)	1	PRRECTED TODAY (FROM RE	WORK ITEMS LIST)	
Schedule N	e Activity o.	Description	on			Schedule Activity No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up phase o	hecklist item from	above that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedule	e Activity	Description			,	•	•		
N	0.	'							
				ort is complete and					
			aterial used and waterial used and waterial used and waterial wate	ork performed durir ct drawings and	ng this	1	id J. Rar	ui o	
specificati	ons to the	best of my	y knowledge exce	ot as noted in this r	eport.	- 1010			29-Apr-13
			00\/EB\!: 45: :	COLIAL ITS (A C C	LIDANIOE DEDOCT	AUTHO	ORIZED QC MANAGER	AT SITE	DATE
QUALITY A	SSURANCE			•	TIONS TO THE REPORT				
Schedule	e Activity	Description		3.2.2.0					
N	0.								
00115	IED E02	M 04 450	14 (0/00)			GOVERNMENT Q	QUALITY ASSURANCE MAI		DATE
COMBIN	IED FOR	M 01450)-1 (9/98)				SHEET 1 C	J ⊦ 1	

			COV	ITRAC	TOR Q	UALITY CO	NTROL	REPORT	DATE	3-Apr-13
	_			(ATT	ACH ADDITIO	ONAL SHEETS IF NECE			REPORT#	166
PHASE	CONTRA			N40085-12-		CONTRACT TITLE			e dredging, Norfolk,	Virgina
>							YES		NO 🗸	
OR		e Activity				RATORY PHASE CHECKLIS				
PREPARATORY	N		DEFINA	BLE FEATU	RE OF WORK	K, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
<u> </u>										
	WAS INIT	TAL PHAS	SE WORK	PERFORMED	TODAY?		YES		NO 🗸	
	<u> </u>		AND ATTA	CH SUPPLEM	ENTAL INITIAL	PHASE CHECKLIST				
١٩٢	Schedule	e Activity o.	DEFINA	BLE FEATU	RE OF WORK	K, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK C	OMPLIES	WITH CO	NTRACT AS A	PPROVED DU	RING INITIAL PHASE?	YES	✓	NO	
	WORK CO	OMPLIES		ETY REQUIR			YES	✓	NO L	
	Schedule N	e Activity				ned & by whom, definable n and list of personnel pre				
		00	no dre		otion, location	Tana list of personner pro	230111			
₽.										
-M										
FOLLOW-UP										
요										
	CITEMS ID	DENTIFIED	D TODAY (NOT CORREC	CTED BY CLOS	E OF BUSINESS)	REWORK ITEMS CO Schedule Activity	RRECTED TODAY (FF	ROM REWORK ITEMS LIST)	
	O.	Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up	ohase checklis	t item from abov	ve that was answered "NO").	Manuf. Rep on site	e, etc.		
	e Activity	Description	on							
N	0.									
				his report is co						
				and work perf	ormed during th	is	A	-116	ania	
					oted in this repor	t.	pari	id 1. R	aba	3-Apr-13
							AUTHO	DRIZED QC MAN	AGER AT SITE	DATE
OUALITY (ACCLIDANO.					ANCE REPORT				
	e Activity	Description		NEIVIARNO ANL	ON ENCEPTION	S TO THE REPORT				
N	0.	Describile	U11							
							GOVERNMENT C	UALITY ASSURANC	CE MANAGER	DATE
COMBIN	NED FOR	M 01450	0-1 (9/98)						ET 1 OF 1	

ATTACH ADDITIONAL SHEETS IF NECESSARY) AND PREPARATORY PHASE WORK PERFORMED TODAY WAS PREPARATORY PHASE WORK PERFORMED TODAY IF YES, RIL DUT AND ATTACH SUPPLEMENTAL PHASE				CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	30-Apr-13
WAS PREPARATION PHASE WORK PERFORMED TODAY? TEYS, FILL OUT AND ATTGLE SUPPLEMENTAL PREPARATORY PHASE CHECKLIST STANDARD DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT Index # WAS INTIAL PHASE WORK PERFORMED TODAY? IP YES, PILL OUT AND ATTGLE SUPPLEMENTAL INITIAL PHASE CHECKLIST WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INITIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INITIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INITIAL PHASE? WORK COMPULES WITH SAPETY REQUIREMENTS? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INITIAL PHASE? WORK COMPULES WITH CONTRACT AS APPROVED DURBNIS INITIAL PHASE? WORK COMPULES WITH SAPETY REQUIREMENTS? WORK COMPULES WITH SAPETY REQUIR		_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	193
BYES. FLL. OUT AND ATTACH SUPPLEMENTAL PREPARATORY PRASE CHECOLIST UNAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? WAS INTIAL PHASE WORK PERFORMED TODAY? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS APPROVED WITH CONTRACT AS A							CONTRACT TITLE	•			Virgina
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH SAPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? No. Placed 3737 yards. REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOftwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSI										NO 🗸	
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH SAPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? No. Placed 3737 yards. REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOftwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSI	OR	,									1
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH SAPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? No. Placed 3737 yards. REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOftwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSI	₹AT			DEFINABLE	FEATURE OF	WORK, LO	OCATION AND LIS	PERSONNEL P	RESENT		Index #
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH SAPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? No. Placed 3737 yards. REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOftwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSI	PAF										
WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE CHECKLIST WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH APPET REQUIREMENTS? WORK COMPLES WITH SAPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? WORK COMPLES WITH APPETY REQUIREMENTS? No. Placed 3737 yards. REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description REVIORE ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). Softwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOftwale Arbitry Description CONDENSITE OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSINESS). SOFTWALE ARBITRATION OF TODAY (NOT CORRECTED BY CLOSE OF BUSI	'nE										
Senetula Antity No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedula Antity No. Placed 3737yards. Placed 3737yards. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedula Antity No. Description REMARKS (Also excitain any Follow-Up phase checkidal 8em from above that was answered "NO"). Manual. Rep on site. etc. Schedula Antity No. Description REMARKS (Also excitain any Follow-Up phase checkidal 8em from above that was answered "NO"). Manual. Rep on site. etc. Schedula Antity No. Description AUTHORIZED OC MANAGER AT SITE DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE REPORT COMPRIMENT QUALITY ASSURANCE MANAGER DATE OVERNMENT QUALITY ASSURANCE MANAGER DATE	4										
Schedule Activity WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? Sensule Activity No. Work specification section, location and list of personnel pesent Placed sand in cell 13, 19 and 20 monitored our progress by using hypack bucket files. placed 737yards. REMANKS (Also explain any Follow-Up place checklist item from above that was answered "NO"). Mand. Rep on site. etc. Schedule Activity No. REMANKS (Also explain any Follow-Up place checklist item from above that was answered "NO"). Mand. Rep on site. etc. Schedule Activity No. REMANKS (Also explain any Follow-Up place checklist item from above that was answered "NO"). Mand. Rep on site. etc. Schedule Activity No. On behalf of the contraction, Lordify that this report is complete and context and quipting man and provided in the separation of the separation of the contract and indiging and generating period is in completions with the costnead during this report of any invaled generating period is in completion and context and quipting and generating period is in completion with the costnead during this report is complete and context and quipting and material used and work performed during this report of any invaled generating period is in Completions with the costnead during this generating period is in completion and context and quipting and generating period is in completing and generating period in the sepon. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE								YES		NO 🗸	
WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASS? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASS? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASS? Schedule Activity Schedule Activity No. Placed sard in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed 737/yards. REWORK TEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklet item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklet item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, Losetly that this report is complete and context and equipment and material used and work performed during this resporting point is in compliance with the contract durings and specifications to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the best of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge activity as a prediction to the second of my knowledge and work performed during this reporting points in completions with the contract and explain the second of my knowledge and the contract and explain the second of my knowledge and my knowledge and my knowledge and my knowledge and my knowledge and	_										1
WORK COMPLES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK Specification section. location and list of personnel present Placed Analysis Placed 3737yards. Placed 3737yards. Placed 3737yards. Placed 3737yards. Placed 737yards. Placed 737yards. Placed 737yards. Placed Raced Sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed Raced Sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed Raced Sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed 737yards. PREWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Poscription Schedule Activity Description Schedule Activity Description On behalf of the contractor, Loetify that this report is complete and correct and equipment and material used and work performed during this report is complete and pulpment and material used and work performed during this report is complete and pulpment and material used and work performed during this report is complete and specifications to the best of my knowledge except as noted in this report. SCHEDULTY ASSURANCE REPRESENTATIVE'S REMAINS ANDORE EXCEPTIONS TO THE REPORT SCHEDULTY ASSURANCE REPRESENTATIVE'S REMAINS ANDORE EXCEPTIONS TO THE REPORT SCHEDULTY ASSURANCE MANAGER AT SITE SOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	JAI.			DEFINABLE	FEATURE OF	WORK, LO	OCATION AND LIST	PERSONNEL P	RESENT		Index #
WORK COMPLES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK Specification section. location and list of personnel present Placed Analysis Placed 3737yards. Placed 3737yards. Placed 3737yards. Placed 3737yards. Placed 737yards. Placed 737yards. Placed 737yards. Placed Raced Sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed Raced Sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed Raced Sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed 737yards. PREWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity Poscription Schedule Activity Description Schedule Activity Description On behalf of the contractor, Loetify that this report is complete and correct and equipment and material used and work performed during this report is complete and pulpment and material used and work performed during this report is complete and pulpment and material used and work performed during this report is complete and specifications to the best of my knowledge except as noted in this report. SCHEDULTY ASSURANCE REPRESENTATIVE'S REMAINS ANDORE EXCEPTIONS TO THE REPORT SCHEDULTY ASSURANCE REPRESENTATIVE'S REMAINS ANDORE EXCEPTIONS TO THE REPORT SCHEDULTY ASSURANCE MANAGER AT SITE SOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	Z										
WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No. Placed sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed 737 yards. Placed 737 yards. Placed 737 yards. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and context drawing this reporting pend is an complained with the contract drawing this reporting pend is an complained with the contract drawing as noted in this report. Schedule Activity No. ON Description ON Dehalf of the contractor, I certify that this report is complete and context and equipment and material used and work performed during this reporting pend is an complained with the contract drawing as noted in this report. Schedule Activity No. Description ON Dehalf of the contractor, I certify that this report is complete and context and equipment and material used and work performed during this reporting pend is an complained with the contract drawing as noted in this report. AUTHORIZED OC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No. Placed sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. Placed 737 yards. Placed 737 yards. Placed 737 yards. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and context drawing this reporting pend is an complained with the contract drawing this reporting pend is an complained with the contract drawing as noted in this report. Schedule Activity No. ON Description ON Dehalf of the contractor, I certify that this report is complete and context and equipment and material used and work performed during this reporting pend is an complained with the contract drawing as noted in this report. Schedule Activity No. Description ON Dehalf of the contractor, I certify that this report is complete and context and equipment and material used and work performed during this reporting pend is an complained with the contract drawing as noted in this report. AUTHORIZED OC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description of work, testing performed & by whom, definable feature of work, specifications section, location and list of personnel present Placed 337 yards.							INITIAL PHASE?				
No. work, specification section, location and list of personnel present Placed sand in cell 18,19 and 20 monitored our progress by using hypack bucket files. placed 737yards. Placed 737yards. Placed 737yards.							9 hh.a.a. dafia.ah		\ \	NO	
REWORK ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist term from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as needed in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT SCHEDULE ACTIVITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE			,								
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description An behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. BOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE						19 and 2	0 monitored our	progress by u	ısing hypack bı	ucket files.	
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Manuf. Rep on site, etc. 30-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	-U-			placed 737	yards.						
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Manuf. Rep on site, etc. 30-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	δ										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract davings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Manuf. Rep on site, etc. 30-Apr-13 AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE)LL										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DESCRIPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE	F										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DESCRIPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DESCRIPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DESCRIPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DESCRIPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE	REWORK	(ITEMS IF	ENTIFIE	TODAY (NOT	CORRECTED BY	Y CLOSE O	F BLISINESS)	REWORK ITEMS CO	DRRECTED TODAY (FR	OM REWORK ITEMS LIST)	
REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE				·	CONTROLLO	. 02002 01	200111200)		,	NOW TENO EIGT)	
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	N	0.	2000p					No.	2 000.19 110.1		
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE			plain any F	Follow-Up phase	checklist item fro	om above the	at was answered "NO")	Manuf. Rep on site	e, etc.		
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE			Description	on							
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE											
correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. AUTHORIZED QC MANAGER AT SITE DATE	0-1 1 1	-44				d					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE				•				12			
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE								Dans	d 1. No	avio	30-Apr-13
GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	оростоан	0110 10 1110	5000 01 111)	, momoago oxo	opt do notod in th	по торота		-			·
Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE				GOVERNMEN	IT QUALITY A	SSURANC	E REPORT				
No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			REPRESE	ENTATIVE'S REMA	ARKS AND/OR EXC	EPTIONS TO	THE REPORT				
			Description	on							
			<u> </u>								
						_		00//55::::		25.44.44.655	
	COMBIN	IED FOR	M 01450)-1 (9/98)				GOVERNMENT C			DATE

ACTACH ADDITIONAL SHEETS IF RECESSARY) REPORT 8 AND SPERMATORY PROSE WORK PERFORDED TOON? BY SET AND SET OF THE SET OF				CON	TRACT	OR Q	JALITY CO	NTROL	REPORT	DATE	4-Apr-13
WAS PREPARATIONY PAGE WORK PERFORMED TODAY? YES END LOUI AND ATTACK SUPPLEMENTAL PREPARATORY PHASE CHECKLIST STRANDA ACMITY No. WAS INITIAL PHASE WORK PERFORMED TODAY? YES END LOUI AND ATTACK SUPPLEMENTAL NOTAL PHASE CHECKLIST STRANDA ACMITY PYES. FILL OUT AND ATTACK SUPPLEMENTAL NOTAL PHASE CHECKLIST STRANDA ACMITY No. WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES IV NO VORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? YES IV NO VORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? YES IV NO VORK COMPLIES WITH SAFETY REQUIREMENTS? WORK COMPLIES WITH SAFETY REQUIREMENTS? YES IV NO VORK COMPLI					(ATTAC	H ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT#	167
PER STANDARD DEFINABLE FEATURE OF WORK LOCATION AND LIST PERSONNEL PRESENT Index #	PHASE									ce dredging, Norfo	lk, Virgina
WAS INTIAL PHASE WORK PERFORMED TODAY? YES, FILL OUT AND ATTACH SUPPLEMENTAL INTIAL PHASE CHECKLIST STRINGLIS ARMIN DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? YES NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUI	>									NO 🗸	
WAS INTIAL PHASE WORK PERFORMED TODAY? YES, FILL OUT AND ATTACH SUPPLEMENTAL INTIAL PHASE CHECKLIST STRINGLIS ARMIN DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? YES NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUI	OR,	· ·									
WAS INTIAL PHASE WORK PERFORMED TODAY? YES, FILL OUT AND ATTACH SUPPLEMENTAL INTIAL PHASE CHECKLIST STRINGLIS ARMIN DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? YES NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUI	ΑŢ			DEFINAB	LE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
WAS INTIAL PHASE WORK PERFORMED TODAY? YES, FILL OUT AND ATTACH SUPPLEMENTAL INTIAL PHASE CHECKLIST STRINGLIS ARMIN DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? YES NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUI	λAR										
WAS INTIAL PHASE WORK PERFORMED TODAY? YES, FILL OUT AND ATTACH SUPPLEMENTAL INTIAL PHASE CHECKLIST STRINGLIS ARMIN DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? YES NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUIREMENTS? NO WORK COMPLIES WITH ARETY REQUIREMENTS. NO WORK COMPLIES WITH ARETY REQUI	REF										
Schooling Activity No. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT Index # WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DUSING INITIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? Index # WORK TEMS WORK ۵										+	
Schedule Activity WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH CONTRACT AS APPROVED DURING INTIAL PHASE? WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS? REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No WORK COMPLIES WITH SAFETY REQUIREMENTS REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REVORR ITEMS DICKNIFIED		WAS INIT	TAL PHAS	SE WORK P	ERFORMED TO	DAY?		YES		NO 🗸	
No. DEPINABLE FEATURE OF WORK, LUCATION AND LIST PERSONNEL PRESENT NO.				AND ATTAC	H SUPPLEMEN	TAL INITIAL P	HASE CHECKLIST				1
WORK COMPLES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? Senseuls Actively Sexploid and Sexploid of Work, Isseling performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 17 at Desert cover used the Hypack software to monitor the excavted material. Excavated about 922 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Addivity Description Schedule Addivity Description On behalf of the contractor, Lordity that this report is complete and correct and equipment and material used and work performed during this report is complete and specifications to the bast of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRORT Schedule ARRIVITY DESCRIPTION SCHEDULAR REMAINS ANDOIR EXCEPTIONS TO THE REPORT SCHEDULAR ASSURANCE REPRESENTATIVE'S REMAINS ANDOIR EXCEPTIONS TO THE REPORT SCHEDULAR ASSURANCE MANAGER DATE	AL			DEFINAB	LE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
WORK COMPLES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? WORK COMPLES WITH SAFETY REQUIREMENTS? WORK COMPLES WITH SAFETY REQUIREMENTS? Senseuls Actively Sexploid and Sexploid of Work, Isseling performed & by whom, definable feature of work, specification section, location and list of personnel present 1700 Excavating in cell 17 at Desert cover used the Hypack software to monitor the excavted material. Excavated about 922 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Addivity Description Schedule Addivity Description On behalf of the contractor, Lordity that this report is complete and correct and equipment and material used and work performed during this reports period is in compliance with the contract drawing and specifications to the bast of my knowledge except as noted in this report. Schedule Addivity Description On behalf of the contractor, Lordity that this report is complete and generated and evaluation of the period of t	Ē										
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. WORK Schedule Activity	_ ≤										
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. WORK Schedule Activity											
WORK COMPLES WITH SAFETY REQUIREMENTS? Schedule Activity No. WORK Schedule Activity		WORK CO	OMPLIES	WITH CON	TRACT AS APP	ROVED DURI	NG INITIAL PHASE?	YES		NO 🗌	ı
No. Work, specifications section, location and list of personnel present		WORK CO	OMPLIES	WITH SAFE	TY REQUIREM	ENTS?				NO 🗌	
TOO Excavating in cell 17 at Desert cove used the Hypack software to monitor the excavted material. Excavated about 922 yards of material. REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST) Schedulia Activity No. Schedulia Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedulia Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT DUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE GOVERNMENT QUALITY ASSURANCE MANAGER BATE			,								
REMORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) REMORK ITEMS DENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklast tem from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. REMARKS (Also explain any Follow-Up phase checklast tem from above that was answered 'NO'). Manuf. Rep on site, etc. Schedule Activity No. On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during his reporting period is in complaince with the contract drawings and specifications to the best of my knowledge except an arcetion in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT SCHEDULE ACTIVITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER BATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE									a to monitor t	the excavted	
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description An behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT OBSCIPTION GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	₫.	17	00						C to monitor i	ine exeavied	
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	٦-٨										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	ΓO										
REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS) Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER DATE	덩										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER AT DATE	_										
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER AT DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description Schedule Activity No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT OUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE MANAGER GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
No. Description No. Description REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS ANDIOR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS ANDIOR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE REPRESENTATIVES REMARKS ANDIOR EXCEPTIONS TO THE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	REWORK	(ITEMS ID	ENTIFIED	D TODAY (N	IOT CORRECTE	D BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEMS LIST	·)
REMARKS (Also explain any Follow-Up phase checklist item from above that was answered "NO"). Manuf. Rep on site, etc. Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE A			Description	on					Description		
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE		<u>. </u>						1101			
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE											
Schedule Activity No. Description On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. GOVERNMENT QUALITY ASSURANCE REPORT GOVERNMENT QUALITY ASSURANCE MANAGER DATE	DEMARK	C (Also sv	nlain anu [Calland I la al	ann abaaldigt ita	m from obovo	that was answered "NO"\	Manuf Dan an aite	n ete		
On behalf of the contractor, I certify that this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. Authorized QC Manager at Site Date		o A otivity			iase checklist lie	ill llolli above	that was answered NO).	Mariur. Rep on site	s, etc.		
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. A-Apr-13	N	0.	Descriptio) II							
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. A-Apr-13											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. A-Apr-13											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. A-Apr-13											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. A-Apr-13											
Correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications to the best of my knowledge except as noted in this report. A-Apr-13	On hehalf	of the con	tractor Lo	ertify that th	is report is comp	lete and					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE	correct an	nd equipme	ent and ma	aterial used	and work perforn	ned during this					
AUTHORIZED QC MANAGER AT SITE DATE GOVERNMENT QUALITY ASSURANCE REPORT QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE								harri	1 1. h	ario	4-Apr-13
QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE				,		, , ,					·
Schedule Activity No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			(GOVERNI	MENT QUALIT	Y ASSURAI	NCE REPORT				
No. Description GOVERNMENT QUALITY ASSURANCE MANAGER DATE			E REPRESE	ENTATIVE'S F	REMARKS AND/OF	EXCEPTIONS	TO THE REPORT				
			Description	on							
			<u>[</u>								
	COMBIN	JED F∩P	M 01450)-1 <i>(</i> 9/98)				GOVERNMENT C			DATE

			CON	TRAC	TOR Q	UALITY CO	NTROL	REPORT	DATE	9-Apr-13
				(ATTA	CH ADDITIC	NAL SHEETS IF NECE	SSARY)		REPORT#	172
PHASE	CONTRA	ACT NO.		N40085-12-C	-7004	CONTRACT TITLE			ce dredging, Norfolk	i, Virgina
_				WORK PERFO			YES		NO 🗸	
OR,						RATORY PHASE CHECKLIS				
PREPARATORY	Schedule N		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
AF										
REI										
Δ.										
	WAS INIT	TAL PHAS	SE WORK F	PERFORMED T	ODAY?		YES		NO 🗸	
	<u> </u>		AND ATTAC	CH SUPPLEME	NTAL INITIAL I	PHASE CHECKLIST				
Ι	Schedule N		DEFINA	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK C	OMPLIES	WITH CON	ITRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES	/	NO	•
	WORK C	OMPLIES	1	ETY REQUIRE			YES	1	NO 🗌	
	Schedule N	e Activity				ed & by whom, definable and list of personnel pre				
		00				Desert cove used t		oftware to mo	nitor the excavted	
Ð						22 yards of materia				
N -										
FOLLOW-UP										
6										
	CITEMS ID	DENTIFIED	D TODAY (I	NOT CORRECT	TED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity	ORRECTED TODAY (FROM REWORK ITEMS LIST)	
	O.	Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedul N	e Activity	Description	on							
IN	0.									
				nis report is com						
				and work perfor contract drawing	_	5	0	id J. R	Dario	
specificat	ions to the	best of my	y knowledge	e except as note	ed in this report		pari	0 9. N		9-Apr-13
			001/501				AUTHO	ORIZED QC MA	NAGER AT SITE	DATE
OLIAI ITV /	ASSI IRANICE					NCE REPORT				
	e Activity	Description		NEWANNO AND/C	AN EXOLF HONS	TO THE REPORT				
N	0.	_ 55011ptile								
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE
COMBIN	NED FOR	M 01450	0-1 (9/98)					SH	EET 1 OF 1	

			CONTR	RACTOR	QUALITY CO	ONTROL	REPORT	DATE	1-May-13
	_			(ATTACH AD	DITIONAL SHEETS IF NEO	CESSARY)		REPORT#	194
PHASE	CONTRA)85-12-C-7004	CONTRACT TITI		reek maintence d		Virgina
>				RK PERFORMED		YES		NO 🗸	
O.R.		e Activity			REPARATORY PHASE CHECK				
PREPARATORY	N		DEFINABLE F	EATURE OF W	ORK, LOCATION AND LIS	31 PERSONNEL P	RESENT		Index #
PAF									
RE									
4									
			SE WORK PERFO			YES		NO 🗸	
		ILL OUT A e Activity			ITIAL PHASE CHECKLIST				
INITIAL	N		DEFINABLE F	EATURE OF W	ORK, LOCATION AND LIS	ST PERSONNEL P	RESENT		Index #
	-								
		-			DURING INITIAL PHASE?	YES		NO 🗌	
			1	REQUIREMENTS?		YES	 	NO	
	Schedule	e Activity o.			erformed & by whom, definate cation and list of personnel				
			Retreived 1	3 core samp	les today and hypack	to located area	s to be sampled.		
J-									
ò									
FOLLOW-UP									
Щ	-								
REWORI	K ITEMS IF	ENTIFIE	TODAY (NOT C	ORRECTED BY (CLOSE OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM	REWORK ITEMS LIST)	
	le Activity	Description		ONNEOTED BT	52002 01 500111200)	Schedule Activity	Description Description	TREWORK TEMO LIOT)	
N	10.	2000p0				No.	2 cccpuc		
	(S (Also ex le Activity	plain any F	Follow-Up phase	checklist item from	above that was answered "NO	"). Manuf. Rep on site	e, etc.		
	No.	Description	on						
On had	6 of th	trost-: '	omiforal4 at '	ort is complete and	J.				
		,	, ,	ork performed dur					
			ice with the contra	ct drawings and pt as noted in this	report.	harri	id J. Ra	vio	1-May-13
			,g				ORIZED QC MANAG		DATE
		(GOVERNMEN	T QUALITY AS	SURANCE REPORT				
QUALITY	ASSURANCI	E REPRESE	ENTATIVE'S REMAR	RKS AND/OR EXCEP	PTIONS TO THE REPORT				
Schedul	le Activity No.	Description	on						
Schedul	le Activity	Description	on						
Schedul	le Activity	Description	on						
Schedul	le Activity	Description	on						
Schedul	le Activity	Description	on						
Schedul	le Activity	Description	on			COVEDNIMENT	QUALITY ASSURANCE I	MANIAGED	DATE

			CONTF	RACTO	R QU	ALITY CO	NTROL	REPORT	DATE	10-May-13
	_			(ATTACH A	ADDITIONA	AL SHEETS IF NEC	ESSARY)		REPORT#	203
	CONTRA			085-12-C-700		CONTRACT TITL			dredging, Norfolk,	Virgina
			RY PHASE WO			ORY PHASE CHECKL	YES		NO 🗸	
OR	Schedule							DECENIT		Inday #
PREPARATORY	N		DEFINABLE I	FEATURE OF	- WORK, L	OCATION AND LIS	I PERSONNEL P	KESENI		Index #
PAI										
)RE										
	_		SE WORK PERF			ASE CHECKHET	YES		NO 🗸	
		Activity				ASE CHECKLIST OCATION AND LIS	T DEDOMNEL D	DECENIT		Inday #
INITIAL	N	0.	DEFINABLE	PEATURE OF	- WORK, L	OCATION AND LIS	I PERSONNEL P	RESEIVI		Index #
Z										
			WITH CONTRA			3 INITIAL PHASE?	YES YES		NO U	
	Schedule					& by whom, definal] * [140	
	N	,	work, specific	ation section,	location ar	d list of personnel p	resent			
٥						nonitored our pr core samples to			t files.	
N-UI			placed 430	yaius. Air	<u>u 100k 4 (</u>	core samples to	committe de	ptii. (BO9-12)		
-OLLOW-UP										
OLI										
ш										
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT	CORRECTED B	BY CLOSE O	F BUSINESS)	REWORK ITEMS CO	RRECTED TODAY (FRC	M REWORK ITEMS LIST)	
Schedule N	e Activity	Description	on				Schedule Activity No.	Description		
, iv	0.						140.			
DEMARK	S (Also ev	nlain any F	Follow-Lin phase	checklist item fr	rom above th	at was answered "NO"	Manuf Pen on site	etc.		
	e Activity	Description		CHECKIIST REITH	TOTTI ADOVE ITI	at was answered TVO	. Mariar. Rep on site	s, 6to.		
N	0.	Description	<i>,</i> 1							
On behalf	of the con	tractor, I c	ertify that this rep	oort is complete	and					
			aterial used and vice with the contra	•	•		0	-116	a via	
			y knowledge exce				pari	id J. Ro		10-May-13
							AUTHO	ORIZED QC MANA	GER AT SITE	DATE
	CCLIDANO		GOVERNMEN ENTATIVE'S REMA							
	e Activity	Description		IND/UK EX	OLF HONS IC	THE NEPONT				
N	0.	_ 5501ptio								
							GOVERNMENT C	UALITY ASSURANCE		DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEE	Γ1 OF 1	

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	13-May-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	205
	CONTRA			085-12-C-700		CONTRACT TITL			dredging, Norfolk,	Virgina
			RY PHASE WO			ORY PHASE CHECKL	YES		NO 🗸	
OR	Schedule					OCATION AND LIS		DESENT		Index #
PREPARATORY	N		DEFINABLE	PEATURE OF	WORK, LO	JCATION AND LIS	PERSONNELP	RESEIVI		muex #
ΙÞΑ										
PRE										
	_		SE WORK PERF			ASE CHECKLIST	YES		NO 🗸	
		e Activity				OCATION AND LIS	DEDSONNEL D	DESENIT		Index #
INITIAL	N	0.	DEI IIVADEE	TEATORE OF	WORK, E	SCATION AND LIS	T ENGONNEET	KESENT		muex #
Z										
							\/=0		110	
			WITH CONTRA WITH SAFETY			B INITIAL PHASE?	YES YES		NO L	
						& by whom, definal			НО	
	N	•	work, specific	ation section,	location an	d list of personnel p	resent			
Δ.						ed our progress ore samples to				
N-UI			placed 323	yarus. Ariu	100K Z C	ore samples to	committe de	Jiii. (DO33, 34)		
FOLLOW-UP										
OLI										
ш										
REWORK	TEMS ID	ENTIFIED	TODAY (NOT	CORRECTED B	Y CLOSE OI	F BUSINESS)	REWORK ITEMS CO	RRECTED TODAY (FRO	M REWORK ITEMS LIST)	
Schedule N	e Activity	Description	on				Schedule Activity No.	Description		
, iv	0.						140.			
PEMARK	S (Also ev	nlain any F	Follow-Lin phase	chacklist item fr	om above th	at was answered "NO"	Manuf Ren on site	etc		
	e Activity	Description		CHECKIIST ITEM II	om above m	at was answered TVO	. Mariar. Rep on site	, 610.		
N	0.	Descriptio	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
On behalf	of the con	tractor, I c	ertify that this rep	port is complete	and					
			aterial used and voce with the contr	•	•		0	-110	- 11-	
			y knowledge exc				Warre	d J. Ro		13-May-13
							AUTHO	ORIZED QC MANA	GER AT SITE	DATE
OHALITY A	COLIDANOS		GOVERNMEN							
	ASSURANCE Activity	Description	ENTATIVE'S REMA	ILVO NININO EXC	JEPTIONS 10	INE KEPUKI				
N	0.	Describil0	//·							
					<u> </u>		GOVERNMENT C	UALITY ASSURANCE		DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET	Γ1 OF 1	

			CONTR	RACTOF	R QU	ALITY CO	NTROL	REPORT	T DATE		14-May-13
	_			(ATTACH AE	DDITIONA	L SHEETS IF NEC	ESSARY)		REPO	RT#	207
	CONTRA)85-12-C-7004		CONTRACT TITL			ce dredging, N	lorfolk, ∖	/irgina
			RY PHASE WOR			ORY PHASE CHECKI	YES		NO 🗸		
OR	Schedule							DECENT			Inday #
PREPARATORY	N		DEFINABLE F	EATURE OF V	WORK, LC	OCATION AND LIS	I PERSONNEL P	KESENI			Index #
PAI											
)RE											
	_		E WORK PERFO			SE CHECKHET	YES		NO 🗸		
		Activity	ND ATTACH SU			OCATION AND LIS	T DEDCONNEL D	DECENT		I	Inday #
INITIAL	N	0.	DEFINABLE F	EATURE OF V	WORK, LC	DCATION AND LIS	I PERSONNEL P	RESEIVI			Index #
Z										1	
			WITH CONTRAC WITH SAFETY F			INITIAL PHASE?	YES YES		NO		
	Schedule					& by whom, definal		·] • [140		
	N	,	work, specifica	ation section, lo	ocation and	d list of personnel p	resent				
٥						onitored our pro ore samples to					
N-UI			placed 400	yarus. Ariu	100K Z C	ore samples to	commit the de	рии. (БОЗЗ, З	,0)		
-OLLOW-UP											
OLI											
ш											
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	ORRECTED BY	CLOSE OF	BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEM	IS LIST)	
Schedule N	e Activity	Description	n				Schedule Activity No.	Description			
, iv	0.						140.				
PEMARK	S (Also ev	nlain any F	follow-Lin phase	chacklist itam from	m above tha	at was answered "NO"	Manuf Ren on site	e etc			
	e Activity	Description		SHECKIST REITHOL	in above the	it was answered 140	, Manur. Rep on site	5, 610.			
N	0.	Description									
			ertify that this rep	•							
			terial used and w ce with the contra	•	uring this		1	-116)ania		
			/ knowledge exce		s report.		par	id J. R			14-May-13
			-	_			AUTH	ORIZED QC MA	NAGER AT SITE		DATE
	CCLIDANO		GOVERNMENT ENTATIVE'S REMAR								
	e Activity	Description		AND AND/OR EACE	LI TIONS TO	IIIL KLFUKI					
N	0.	_ 5501ptio	••								
					_		GOVERNMENT (QUALITY ASSURA			DATE
COMBIN	IED FOR	M 01450	-1 (9/98)					SH	EET 1 OF 1		

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	15-May-13
	_			(ATTACH	ADDITIONA	AL SHEETS IF NEC	ESSARY)		REPORT#	208
	CONTRA			085-12-C-70		CONTRACT TITLE			Iredging, Norfolk,	Virgina
			RY PHASE WO			ORY PHASE CHECKL	YES		NO 🗸	
OR	Schedule					OCATION AND LIST		DESENIT		Index #
PREPARATORY	N		DEFINABLE	PEATURE O	r WORK, L	OCATION AND LIS	PERSONNEL P	RESEIVI		muex #
PA										
PRE										
			SE WORK PERF			ASE CHECKLIST	YES		NO 🗸	
		e Activity				OCATION AND LIST	DERSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI INADEL	I LATORE O	i WORK, E	OCATION AND LIS	LICOUNTELL	RESERVI		IIIuex #
Z										
							\/=0	1.1		
			WITH CONTRA WITH SAFETY			G INITIAL PHASE?	YES YES		NO L	
						& by whom, definate			110	
	N	,	work, specific	ation section	, location ar	nd list of personnel p	resent			
a								hypack bucket filepth. (BO40,41,4		
v-U			placed 54	J yarus. Ar	id took + t	core samples to	committe de	рии. (ВОчо,чт,ч	J,++ <i>)</i>	
FOLLOW-UP										
.oL										
ш										
		ENTIFIED	TODAY (NOT	CORRECTED	BY CLOSE O	F BUSINESS)		RRECTED TODAY (FROM	REWORK ITEMS LIST)	
Schedule N	e Activity o.	Description	on				Schedule Activity No.	Description		
							_			
REMARK	S (Also ex	plain anv F	Follow-Up phase	checklist item	from above th	at was answered "NO")	. Manuf. Rep on site	e. etc.		
Schedule	e Activity	Description				<u> </u>		,		
N	0.									
			ertify that this re	•						
			aterial used and ce with the conti	•	•		1	-1160	avia	
			y knowledge exc				pari	id J. Ra		15-May-13
							AUTHO	ORIZED QC MANAG	ER AT SITE	DATE
	SSI IRANICI		GOVERNMEN ENTATIVE'S REMA	-						
Schedule	e Activity	Description			COLI HONO IO	EREFORT				
N	0.									
							GOVERNMENT Q	UALITY ASSURANCE		DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET	1 OF 1	

			CONTR	RACTOR	R QU	ALITY CO	NTROL	REPORT	DATE	16-May-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	209
	CONTRA)85-12-C-7004		CONTRACT TITL			e dredging, Norfolk,	Virgina
			RY PHASE WOF			ORY PHASE CHECK	YES	· 🔲	NO 🗸	
l OR	Schedule					OCATION AND LIS		DESENT		Index #
PREPARATORY	N		DEFINABLE F	EATURE OF	WORK, LC	DCATION AND LIS	T PERSONNEL P	RESEIVI		muex #
ΙÞΑ										
PRE										
			SE WORK PERFO AND ATTACH SU			SE CHECKLIST	YES	; <u> </u>	NO 🗸	
		e Activity				OCATION AND LIS	T DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI IIVADEE I	LATORE OF	WORK, EC	DOATION AND EIG	TTERSONNEET	RESERVI		IIIuex #
Z										
							\/ <u>-</u>			
			WITH CONTRAC			INITIAL PHASE?	YES YES		NO L	
						& by whom, definal				
	N	0.				d list of personnel p			91	
<u> </u>						itored our progrores				
V-U			ріаоса она	yaras. Aria	1 1001 4 0	ore samples to	oommin the de	puii. (BO+2,+0	,47,40)	
FOLLOW-UP										
-or										
		ENTIFIED	TODAY (NOT C	CORRECTED BY	CLOSE OF	BUSINESS)		DRRECTED TODAY (FR	ROM REWORK ITEMS LIST)	
Schedule N	e Activity o.	Description	on				Schedule Activity No.	Description		
REMARK	S (Also ex	plain any F	ollow-Up phase	checklist item fro	om above tha	at was answered "NO"). Manuf. Rep on site	e, etc.		
	e Activity	Description	on				•			
N	0.									
			ertify that this rep	•						
			aterial used and wa ce with the contra	•	•		0	id 1. R	antia	
specificati	ions to the	best of my	y knowledge exce	ept as noted in th	is report.		-			16-May-13
			COVEDNIMENT	T OUAL ITY A	COLIDANO	E DEDORT	AUTHO	ORIZED QC MANA	AGER AT SITE	DATE
QUALITY A	SSURANCE		GOVERNMEN ENTATIVE'S REMAI							
Schedule	e Activity	Description				-				
N	0.									
00115	IED E02	M 04 450	14 (0/00)				GOVERNMENT C	QUALITY ASSURANCE		DATE
COMBIN	IED FOR	.ivi U1450	r-1 (9/98)					SHEE	ET 1 OF 1	

			CONTR	RACTOR	R QU	ALITY CC	NTROL	REPORT	DATE	17-May-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	210
	CONTRA			085-12-C-7004		CONTRACT TITL			dredging, Norfolk,	Virgina
				RK PERFORMED		ORY PHASE CHECKL	YES		NO 🗸	
OR	Schedule					DCATION AND LIS		DECENT		Index #
PREPARATORY	N		DEFINABLE	-EATURE OF	WORK, LC	DCATION AND LIS	PERSONNEL P	RESENT		muex #
ΙÞΑ										
PRE										
				ORMED TODAY [.] JPPLEMENTAL I		SE CHECKLIST	YES		NO 🗸	
		e Activity				OCATION AND LIS	L DEBSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI IIVADEE I	LATORE OF	WORK, EC	DOATION AND LIS	T LICOUNTET	RESERVI		IIIuex #
Z										
							\/=0		No.	
				CT AS APPROVI REQUIREMENTS		INITIAL PHASE?	YES YES		NO ∐ NO □	
						& by whom, definat			110	
	N	,	work, specific	ation section, l	ocation an	d list of personnel p	resent			
<u> </u>						monitored our pook 4 core samp				
v-U			placed abo	out 505 yaru	3. And to	ook 4 core samp	nes to commi	тте аерит. (Ве	25 5 14114 55)	
FOLLOW-UP										
.oL										
ш										
		ENTIFIED	TODAY (NOT (CORRECTED BY	CLOSE OF	BUSINESS)	_	DRRECTED TODAY (FR	OM REWORK ITEMS LIST)	
Schedule N	e Activity o.	Description	on				Schedule Activity No.	Description		
REMARK	S (Also ex	plain anv F	Follow-Up phase	checklist item fro	m above tha	at was answered "NO"	. Manuf. Rep on site	e, etc.		
Schedule	e Activity	Description								
N	0.	'								
				oort is complete a						
				vork performed da act drawings and	•		0	id J. Ro	ania	
specificati	ions to the	best of my	y knowledge exce	ept as noted in th	is report.					17-May-13
			00\/ED\ \4E\	TOUALITY A		E DEDORT	AUTHO	ORIZED QC MANA	AGER AT SITE	DATE
QUALITY A	SSURANCE			T QUALITY AS						
Schedule	e Activity	Description								
N	0.									
00115	IED E02	M 04 450	1 (0/00)				GOVERNMENT C	UALITY ASSURANC		DATE
COMBIN	IED FOR	M 01450	1-1 (9/98)					SHEE	T 1 OF 1	

			CONTR	RACTOF	r qual	LITY CO	NTROL	REPORT	DATE	2-May-13
	_			(ATTACH AD	DDITIONAL SH	HEETS IF NECE	SSARY)		REPORT#	195
PHASE		ACT NO.		085-12-C-7004		NTRACT TITLE			e dredging, Norfolk	, Virgina
≿			RY PHASE WOR			PHASE CHECKLIS	YES		NO 🗸	
l g		e Activity				TION AND LIST		DESENIT		Index #
PREPARATORY	N		DEFINABLE F	EATURE OF V	WORK, LOCA	TION AND LIST	FERSONNEL F	KESENI		muex #
ΙÞΑ										
₽RE										
			SE WORK PERFO AND ATTACH SU			ר ופד או ופד	YES		NO 🗸	
		e Activity				TION AND LIST	PERSONNEL P	RESENT		Index #
INITIAL	N	0.	DET II WADEE T	EXTORE OF V		1101171110 2101	TERCOTTILET			macx n
Z										
	WOD!(0	01451450	MUITH CONTRA	T 40 45550\((5)			VEO		NO 🗆	
			WITH CONTRAC WITH SAFETY F			IAL PHASE?	YES YES		NO ∐ NO □	
		e Activity	Description of	work, testing p	erformed & by	whom, definable	e feature of		- 1 1	
	N	0.				of personnel pre	esent			
۵			No sand pia	acement tod	ay					
N-U										
FOLLOW-UP										
뎐										
	K ITEMS ID	DENTIFIED	O TODAY (NOT C	ORRECTED BY	CLOSE OF BUS	SINESS)	REWORK ITEMS CO Schedule Activity	RRECTED TODAY (F	ROM REWORK ITEMS LIST)	
	le Activity lo.	Description	on				No.	Description		
REMARK	(S (Also ex	plain any F	Follow-Up phase	checklist item fror	m above that was	s answered "NO").	Manuf. Rep on site	, etc.		
	le Activity lo.	Description	on							
	10.									
			ertify that this rep aterial used and w	•						
reporting	period is in	n complian	ce with the contra	ct drawings and	· ·		Dage	d J. D	avio	0 May 40
specificat	tions to the	best of my	y knowledge exce	pt as noted in this	s report.		-	ORIZED QC MAN		2-May-13 DATE
		(GOVERNMEN	T QUALITY AS	SURANCE RI	EPORT	AUITC	ANTELD QU WAN	AGENTAL OHE	DAIL
	ASSURANCI		ENTATIVE'S REMAR	-						
		Ī								
	le Activity lo.	Description	on							
	-	Description	on							
	-	Description	on							
	-	Description	on							
	-	Description	on							
	-	Description	on				COVEDNIATAT	UALITY ASSURAN	CE MANACED	DATE

			CONTR	RACTOF	R QUA	ALITY CO	NTROL	REPORT	DATE	20-May-13
	_			(ATTACH AI	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	213
	CONTRA			085-12-C-7004		CONTRACT TITL			dredging, Norfolk,	Virgina
				RK PERFORMED		ORY PHASE CHECKI	YES		NO 🗸	
OR	Schedule					CATION AND LIS		DECENT		Index #
PREPARATORY	N		DEFINABLE I	-EATURE OF	WORK, LC	CATION AND LIS	I PERSONNEL P	RESEIVI		muex #
ΙÞΑ										
PRE										
				ORMED TODAY JPPLEMENTAL I		SE CHECKLIST	YES		NO 🗸	
		e Activity				CATION AND LIS	T DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI IIVADEL I	LATORE OF	WORK, LC	CATION AND EIG	TTERSONNEET	KLOLNI		IIIuex #
Z										
							\/=0		No.1	
				CT AS APPROVE REQUIREMENTS		INITIAL PHASE?	YES YES		NO L	
						& by whom, definal				
	N	0.				list of personnel p			*1	
<u>م</u>								nypack bucket for the depth. (BC		
V-U			placea abc	out o to yair	20. 7 tila t	SON O COTO SAITI	pies to commi	raic depair. (Be	,20 20)	
FOLLOW-UP										
-or										
		ENTIFIED	TODAY (NOT C	CORRECTED BY	CLOSE OF	BUSINESS)		PRRECTED TODAY (FRO	OM REWORK ITEMS LIST)	
Schedule N	e Activity o.	Description	on				Schedule Activity No.	Description		
REMARK	S (Also ex	plain any F	-ollow-Up phase	checklist item fro	m above tha	t was answered "NO"). Manuf. Rep on site	e, etc.		
Schedule	e Activity	Description						,		
N	0.									
				oort is complete a						
			aterial used and wi ce with the contra	vork performed di act drawings and	uring this		0	id J. Ro	27 HO	
specificati	ions to the	best of my	y knowledge exce	ept as noted in thi	is report.		-			20-May-13
			COVEDNIMEN	T OLIAL ITY AG	COLIDANO	E DEDORT	AUTHO	DRIZED QC MANA	GER AT SITE	DATE
QUALITY A	SSURANCE			T QUALITY AS						
Schedule	e Activity	Description				-				
N	0.									
00115	IED E02	M 04 450	1 (0/00)				GOVERNMENT C	QUALITY ASSURANCE		DATE
COMBIN	IED FOR	.ivi U1450	r-1 (9/98)					SHEE	T 1 OF 1	

			CONTR	ACTOR	QUALITY C	CON	TROL	REPORT	DATE	:	21-May-13
	_			(ATTACH AD	DITIONAL SHEETS IF N	ECESSA	ARY)		REPO	RT#	214
	CONTRA			85-12-C-7004	CONTRACT T	ITLE			e dredging, N	orfolk, Vi	rgina
			RY PHASE WOR		TODAY? REPARATORY PHASE CHE	CKLIST	YES		NO 🗸		
OR	Schedule				ORK, LOCATION AND I		DONNEL DI	DECENT			Index #
PREPARATORY	N		DEFINABLE F	EATURE OF W	TORK, LOCATION AND I	LIST FEI	NOUNNEL PI	KESENI			muex #
ΙÞΑ											
PRE											
								1	1		
			SE WORK PERFO		ITIAL PHASE CHECKLIST		YES		NO 🗸		
		e Activity			ORK, LOCATION AND I	IST DE	PSONNEL DI	DESENT			Index #
INITIAL	N	0.	DEI IIVADEE I	LATORE OF W	OKK, LOCATION AND I		COUNTELL	NEOLIVI			IIIuex #
Z											
							\/=0	1.1	NO.		
			WITH CONTRAC WITH SAFETY R		D DURING INITIAL PHASE?		YES YES		NO L		
					erformed & by whom, defi	inable fea					
	N	0.			cation and list of personn			1 1 1 (2)			
<u> </u>				ut 406 yards	nonitored our progre	ess by u	ising hypa	ck bucket files	S		
V-U			placea abo	at 400 yarat	,						
FOLLOW-UP											
-or											
		ENTIFIED	TODAY (NOT C	ORRECTED BY (CLOSE OF BUSINESS)			RRECTED TODAY (F	FROM REWORK ITEM	S LIST)	
Schedule N	e Activity o.	Description	on			Sch	nedule Activity No.	Description			
REMARK	S (Also ex	plain any F	ollow-Up phase o	hecklist item from	above that was answered "N	NO"). Mar	uf. Rep on site	, etc.			
Schedule	e Activity	Description						·			
N	0.										
			ertify that this repo	•							
			aterial used and wa ce with the contra	•	ing this		1	d J. R	ORHIO		
specificati	ions to the	best of my	y knowledge exce	ot as noted in this	report.		-				21-May-13
			OOVEDNIMENT	FOLIAL ITY ACC	NIDANOE DEDORT		AUTHO	ORIZED QC MAN	NAGER AT SITE		DATE
QUALITY A	SSURANCE			-	SURANCE REPORT PTIONS TO THE REPORT						
Schedule	e Activity	Description									
N	0.										
					_						
00115	IED E02	M 04 450	14 (0/00)			GO'	VERNMENT Q	UALITY ASSURAN			DATE
COMBIN	IED FOR	.ivi U1450	FT (9/98)					SHE	ET 1 OF 1		

			CONTR	RACTOF	R QUA	LITY CO	NTROL	REPORT	DATE	22-May-13
	_			(ATTACH AD	DDITIONAL	SHEETS IF NECE	SSARY)		REPORT#	215
	CONTRA			085-12-C-7004		CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WOF			RY PHASE CHECKLI	YES		NO 🗸	
OR	Schedule					CATION AND LIST		DESENT		Index #
PREPARATORY	N		DEFINABLE F	EATURE OF V	WORK, LOC	CATION AND LIST	PERSONNEL P	RESEIVI		muex #
ΙÞΑ										
PRE										
			SE WORK PERFO AND ATTACH SU			E CHECKLIST	YES		NO 🗸	
		Activity				CATION AND LIST	DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEI INABLE I	LATORE OF V	WORK, LOC	ATION AND EIGT	TEROONNEET	KESENT		IIIuex #
Z										
							\/=0	1.1		
			WITH CONTRAC WITH SAFETY F			NITIAL PHASE?	YES YES		NO ∐ NO □	
	Schedule					by whom, definabl				
	N	0.				list of personnel pr				
a								nypack bucket firm the depth.		
V-U			placea abe	at 170 yara	10. 7 ti id 00	100100 0010 00	imples to com	min the depth.	(BO10,20)	
FOLLOW-UP										
-or										
		ENTIFIED	TODAY (NOT C	ORRECTED BY	CLOSE OF E	BUSINESS)		RRECTED TODAY (FRO	OM REWORK ITEMS LIST)	
Schedule N	e Activity o.	Description	n				Schedule Activity No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up phase	checklist item fror	m above that	was answered "NO").	Manuf. Rep on site	, etc.		
Schedule	e Activity	Description				,		,		
N	0.									
			ertify that this rep	•						
			iterial used and wi ce with the contra	•	iring this		1	d J. Ro	an Hin	
specificati	ions to the	best of my	/ knowledge exce	pt as noted in this	s report.					22-May-13
			COVEDNIMENT	T OLIAL ITY AC	CUDANCE	DEDORT	AUTHO	DRIZED QC MANA	GER AT SITE	DATE
QUALITY A	SSURANCE		GOVERNMEN ENTATIVE'S REMAR							
Schedule	e Activity	Description								
N	0.									
00115	IED E02	M 04 450	4 (0/00)				GOVERNMENT Q	UALITY ASSURANC		DATE
COMBIN	IED FOR	IVI U1450	-1 (9/98)					SHEE	T 1 OF 1	

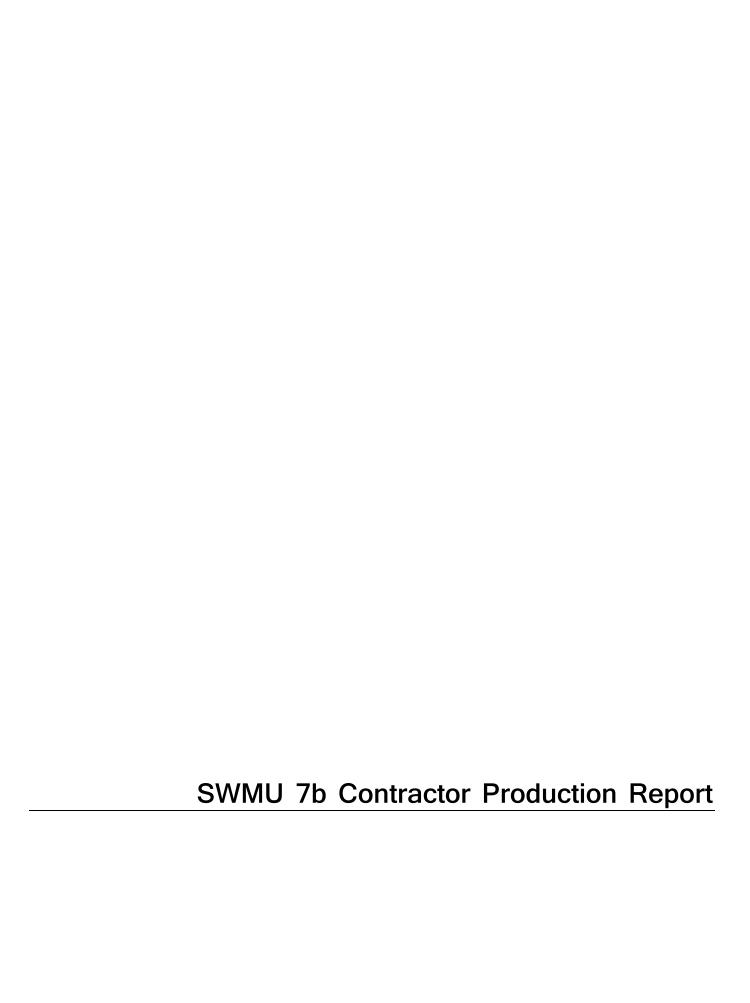
			CONTR	ACTO	R QU	ALITY CO	NTROL	REPORT	DATE	23-May-13
	_			(ATTACH A	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	216
	CONTRA			85-12-C-7004		CONTRACT TITL			e dredging, Norfolk,	Virgina
			RY PHASE WOR			ORY PHASE CHECKI	YES		NO 🗸	
l OR	Schedule					DCATION AND LIS		DESENT		Index #
PREPARATORY	N		DEFINABLE F	EATURE OF	WORK, LC	DCATION AND LIS	I PERSONNEL P	RESEIVI		muex #
ΙÞΑ										
PRE										
			SE WORK PERFO AND ATTACH SUI			SE CHECKI IST	YES		NO 🗸	
		Activity				OCATION AND LIS	T DEDSONNEL D	DESENT		Index #
INITIAL	N	0.	DEFINABLE F	LATORE OF	WORK, LC	DOATION AND LIS	I FERSONNEL F	RESERVI		muex #
Z										
							\/=0		10	
			WITH CONTRAC WITH SAFETY R			S INITIAL PHASE?	YES YES		NO L	
	Schedule					& by whom, definal			NO L	
	N	,	work, specifica	tion section, le	ocation an	d list of personnel p	resent			
a						ed our progress			s. th. (BO13-18,21, 47)	1
N-U			placed abo	ut 471 yard	13. Alia (collected o core	samples to co	minim the dep	ui. (DO 13-10,21, 47)	
FOLLOW-UP										
OLI										
ш.										
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	ORRECTED BY	CLOSE OF	BUSINESS)		DRRECTED TODAY (FI	ROM REWORK ITEMS LIST)	
Schedule N	e Activity	Description	n				Schedule Activity No.	Description		
.,	0.									
REMARK	S (Also ex	nlain any F	-ollow-Lin nhase o	hecklist item fro	om above tha	at was answered "NO"	Manuf Ren on site	etc		
	e Activity	Description		TOOKIIOT KOTT ITO	m abovo in	at was answered 140	, Marian Rop on one	,, 0.0.		
N	0.	2000p								
			ertify that this repo	•						
			iterial used and wo	•	•		A	-116	navia	
			knowledge exce				pari	id 1. R	WW	23-May-13
							AUTHO	DRIZED QC MAN	IAGER AT SITE	DATE
	SSLIBANICE		GOVERNMENT ENTATIVE'S REMAR							
Schedule	e Activity	Description		AND ON LAU	_, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	e iver oivi				
N	0.									
							GOVERNMENT C	UALITY ASSURAN		DATE
COMBIN	IED FOR	M 01450)-1 (9/ 9 8)					SHE	ET 1 OF 1	

			CONT	RACTO	DR QU	ALITY CO	NTROL	REPORT	DATE	6-May-13
	_			(ATTACH	ADDITION	AL SHEETS IF NECE	SSARY)		REPORT #	199
	CONTRA			0085-12-C-70		CONTRACT TITLE		reek maintence dr		Virgina
			RY PHASE WO			TORY PHASE CHECKLI	YES st		NO 🗸	
l OR		e Activity				OCATION AND LIST		DESENT		Index #
PREPARATORY	N		DEFINABLE	PEATURE C	F WORK, L	OCATION AND LIST	PERSONNEL P	RESEIVI		muex #
ΙÞΑ										
PRE										
			SE WORK PER			ASE CHECKLIST	YES		NO 🗸	
		e Activity				OCATION AND LIST	DEDSONNEL D	DESENIT		Index #
INITIAL	N	0.	DEI IIVABLE	TEXTORE C	n WORK, E	OCATION AND LIST	TEROONNEET	RESERVI		IIIUGX #
Z										
							\/=0			
			WITH CONTRA			G INITIAL PHASE?	YES YES		NO	
			T			I & by whom, definab		1 * [
	N	0.				nd list of personnel pr	esent			
4			No sand p	lacement t	oday					
۷-ل										
FOLLOW-UP										
-or										
		ENTIFIED	TODAY (NOT	CORRECTED	BY CLOSE C	F BUSINESS)		PRRECTED TODAY (FROM	REWORK ITEMS LIST)	
Schedule N	e Activity o.	Description	on				Schedule Activity No.	Description		
REMARK	S (Also ex	plain any F	ollow-Up phas	e checklist item	from above th	nat was answered "NO").	Manuf. Rep on site	e, etc.		
Schedule	e Activity	Description				,		,		
N	0.									
			ertify that this re							
			aterial used and ce with the conf	•	•		0	id J. Rom	, HO	
specificati	ions to the	best of my	y knowledge ex	cept as noted in	this report.		- 1010			6-May-13
			COVEDNIME	AT OUAL ITY	A COLIDANI	OE DEDORT	AUTHO	DRIZED QC MANAGE	ER AT SITE	DATE
QUALITY A	SSURANCE		GOVERNME ENTATIVE'S REM							
Schedule	e Activity	Description				-				
N	0.									
00115	IED E02	M 04 450	1 (0/00)		•		GOVERNMENT Q	QUALITY ASSURANCE M		DATE
COMBIN	IED FOR	M 01450	1-1 (9/98)					SHEET 1	UF 1	

			CON	TRACT	OR Q	JALITY CO	NTROL	REPORT	DATE	7-May-13
	_			(ATTAC	CH ADDITIO	NAL SHEETS IF NECE			REPORT #	200
PHASE	CONTRA			N40085-12-C-		CONTRACT TITLE			dredging, Norfolk,	Virgina
>				WORK PERFO			YES		NO 🗸	
OR		e Activity				ATORY PHASE CHECKLIS				
PREPARATORY	N		DEFINAB	SLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
<u> </u>										
	WAS INIT	TIAL PHAS	SE WORK P	ERFORMED TO	DDAY?		YES		NO 🗸	
			AND ATTAC	H SUPPLEMEN	ITAL INITIAL F	PHASE CHECKLIST				
ΙAL	Scriedule	e Activity o.	DEFINAB	LE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK C	OMPLIES	WITH CON	TRACT AS APP	ROVED DUR	NG INITIAL PHASE?	YES	√	NO	
	WORK CO			ETY REQUIREM			YES	√	NO	
	Schedule N					ed & by whom, definable and list of personnel pre				
	14	0.		d placemen		and list of personner pre	-SCIII			
٩					Ž					
-M										
FOLLOW-UP										
요										
	(ITEMS ID e Activity			IOT CORRECTE	ED BY CLOSE	OF BUSINESS)	Schedule Activity		OM REWORK ITEMS LIST)	
N		Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up pl	nase checklist ite	em from above	that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedul N	e Activity	Description	on							
	0.									
				is report is comp and work perforr						
				contract drawing	_		Danie	id 1. Do	antio	
specificati	ions to the	best of my	y knowledge	except as noted	d in this report.		- 60007			7-May-13
			OOVEDAII	AENT OLIALI	D/ A COLIDA	NOE DEDOOT	AUTHO	ORIZED QC MANA	AGER AT SITE	DATE
QUALITY A	SSURANCE					NCE REPORT TO THE REPORT				
Schedul	e Activity	Description								
N	0.									
							GOVERNMENT C	QUALITY ASSURANC		DATE
COMBIN	IED FOR	RM 01450)-1 (9/98)					SHEE	T 1 OF 1	

			CONTR	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	8-May-13
	_			(ATTACH A	ADDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	201
	CONTRA			085-12-C-700		CONTRACT TITLE			dredging, Norfolk,	Virgina
			RY PHASE WO				YES		NO 🗸	
OR	Schedule					ORY PHASE CHECKL		DE0511T		
PREPARATORY	N		DEFINABLE I	-EATURE OF	WORK, LO	OCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
_		ILL OUT A e Activity				ASE CHECKLIST				
INITIAL	Schedule Activity No. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT						Index #			
Z										
						S INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY I			& by whom, definab	YES	\	NO	
	Schedule	,				d list of personnel p				
								g hypack bucket	t files.	
-UF			piaced 440	yards. And	1 took 4 (core samples to	confirm the de	eptn.		
٥.										
-OLLOW-UP										
Ŭ.										
REWORK	TEMS ID	ENTIFIED	TODAY (NOT (CORRECTED B	Y CLOSE OI	F BUSINESS)	REWORK ITEMS CO	PRRECTED TODAY (FROM	M REWORK ITEMS LIST)	
Schedule N	e Activity	Description	on				Schedule Activity No.	Description		
IN	0.						140.			
DEMARK	C (Aloo ov	nlain any E	Follow Lin phago	abaaklist itam fr	om abova th	ot was answered "NO")	Manuf Ban on aita	l ata		
	e Activity	Description		CHECKIIST ITEM II	om above m	at was answered "NO")	. Mariur. Rep on site	s, etc.		
N	0.	Descriptio	лı 							
On behalf	of the con	tractor, I c	ertify that this rep	oort is complete	and					
			aterial used and v	•	•		1	-110	- 11-	
			y knowledge exce				pari	id J. Ra		8-May-13
							AUTHO	ORIZED QC MANAG	SER AT SITE	DATE
OHALITY A	COLIDANOS		GOVERNMEN ENTATIVE'S REMA							
	e Activity	Description		INNO AND/UK EXC	DEFITONS 10	THE REPURI				
N	0.	Posonpilo	,,, 							
							GOVERNMENT Q	UALITY ASSURANCE		DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET	1 OF 1	

			CONTR	ACTOR	QUALITY CC	NTROL	REPORT	DATE	9-May-13
	_			(ATTACH ADD	DITIONAL SHEETS IF NEC	ESSARY)		REPORT#	202
	CONTRA			35-12-C-7004	CONTRACT TITLE		reek maintence dr		Virgina
			RY PHASE WORK			YES		NO 🗸	
OR	Schedule				EPARATORY PHASE CHECKL		DE051/T		
PREPARATORY	N		DEFINABLE FE	ATURE OF W	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
RE									
4									
			E WORK PERFO			YES		NO 🗸	
_		ILL OUT A e Activity			TIAL PHASE CHECKLIST				
INITIAL	Schedule Activity No. DEFINABLE FEATURE OF WORK, LOCATION AND LIST PERSONNEL PRESENT						Index #		
Z									
					DURING INITIAL PHASE?	YES		NO [
			WITH SAFETY RE		rformed & by whom, definab	YES	✓	NO	
	Schedule No	,			ation and list of personnel p				
					nd 15 monitored our pro			iles.	
-UP			placed 631	yards. And to	ook 4 core samples to	confirm the de	epth.		
οw									
-OLLOW-UP									
F									
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT CO	ORRECTED BY C	LOSE OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM F	REWORK ITEMS LIST)	
Schedule	e Activity	Description	·			Schedule Activity	Description		
N	0.					No.			
	S (Also explored Activity	-		necklist item from	above that was answered "NO")	Manuf. Rep on site	e, etc.		
N		Description	on						
On hehalf	of the con	tractor Lo	ertify that this repo	rt is complete and	1				
correct an	ıd equipme	ent and ma	terial used and wo	rk performed duri			0		
			ce with the contract knowledge excep		report.	Warre	id J. Por	UNO .	9-May-13
		-				-	ORIZED QC MANAGE		DATE
		(GOVERNMENT	QUALITY ASS	SURANCE REPORT				
	ASSURANCE e Activity	REPRESE	ENTATIVE'S REMARI	(S AND/OR EXCEP	TIONS TO THE REPORT				
N		Description	on						
						GOVERNMENT	QUALITY ASSURANCE M	IANAGER	DATE
COMBIN	NED FOR	M 01450	1-1 (9/98)			2 - 2 - 3 - 3 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	SHEET 1		2=



	CON	NTRACTOR PRODUCTION			Wednesd	•
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		3/27/201	3
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	159
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		Welcan Contracting Company	Carl Weldon Diggs		DAYS WORKED	95
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK PE	RFORMED TODAY			
Schedule	WO	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.			0			
1700		barge from area B to Desert Cove cell 20.	McLean	1	Superintendent	10.0
		use the clamshell bucket in this area. We are sand. Loaded an additional 702 yards into sc141.	McLean McLean	1	QC Manager	10.0 10.0
		on barge 926 yards.	McLean McLean	3	Crane Operator Deck Hands	30.0
	total material	on barge 920 yards.	McLean	1	Safety Director	30.0
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	6.0
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
					,	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	\ \			123110	THIS DATE< INCL CON'T SHEETS	76.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WO	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5309.0
(If YES attach state	ement or checkli	st showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5385.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	L MENTS
Activity No.					HAVE BEEN M	
ŕ	Daily equipme	ent checks of equipment prior to use as require	d.			
		ety huddle" held at beginning of day to discuss		rk to be performed.		
		s held a job Safety Meeting on our Safety Polici				
	55	, , , , , , ,				
		EIVED TODAY TO BE INCORPORATED IN JC	B (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 142 barge delivered by The Hoss				
		EQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	1
Schedule	Owner	Description of Construction Equipment Used 1	Today (incl Make and Me	odel)		Hours Used
Activity No.		Walder Direct Treel (D0441)				40
	McLean	Weldon Diggs Truck (P344L)				10
	McLean McLean	David Davis (P338L) CC87(127Ton Lima)				10 10
	McLean McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	ob to (sack boat)				10
Activity No.						
,	Welder came	on site to weld on the enviroment bucket.				
			David J. 9	Vario	3/27/2013	
			CONTRACTOR/SUF	PERINTENDENT	DATE	=

C	Wednesday 3/27/2013				
ONTRACT NO	TITLE AND LOCATION				
40085-12-C-7004				REPORT NO.	
ORK PERFORMED T	TODAY				
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
ACTIVITY INO.		McLean			
					1
+					1
					1
- 					
					+
			_	<u> </u>	

	CONTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)			sday 013
CONTRACTA	10		3/2//2	013
CONTRACT N		TITLE AND LOCATION	DEDODENO	450
N40085-12-C-			REPORT NO.	159
Schedule	ION AND PLA	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean		110010 011 000 0110	110010 111 000
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			1
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			I
N/A	McLean			
N/A N/A	McLean			
N/A N/A				
N/A				
Schedule	EQUIPMENT	DEWADKS		
Activity No.	LQUIPINENT	NEWANNO		
, totavity INO.				
INCLUDE ALL	DEDCOMME	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

CONTRACTOR McLean Contracting Company SUPERINTENDENT Carl Weldon Diggs DAYS WORKED MAX TEMP (F) WORK PERFORMED TODAY	160 96 HRS 10.0 10.0 10.0 30.0
N40085-12-C-7004 Little Creek Maintence Dredging CONTRACTOR McLean Contracting Company McLean Contracting Company Carl Weldon Diggs DAYS WORKED WORK PERFORMED TODAY	96 HRS 10.0 10.0 10.0 30.0
CONTRACTOR McLean Contracting Company Carl Weldon Diggs DAYS WORKED MAX TEMP (F) WORK PERFORMED TODAY	96 HRS 10.0 10.0 10.0 30.0
AM WEATHER PM WEATHER Company Carl Weldon Diggs DAYS WORKED WORK PERFORMED TODAY	HRS 10.0 10.0 10.0 30.0
AM WEATHER MAX TEMP (F) MIN TEMP (F) WORK PERFORMED TODAY	HRS 10.0 10.0 10.0 30.0
WORK PERFORMED TODAY	10.0 10.0 10.0 30.0
	10.0 10.0 10.0 30.0
	10.0 10.0 10.0 30.0
Schedule WORK LOCATION AND DESCRIPTION EMPLOYER NUMBER TRADE Activity No.	10.0 10.0 30.0
1700 Continued to dredge in cell 20 and finished. Started into cell McLean 1 Superintendent	10.0 30.0
19. Removed an additional 676 yards from 20. Removed McLean 1 QC Manager	30.0
223 yards from 19. Total of 899 yards today into the SC142 McLean 1 Crane Operator	
barge. McLean 3 Deck Hands McLean 1 Safety Director	0.0
	3.0
McLean 1 Engineer CH2M HILL 1 Aquatic Scientist	10.0
CHZWI HILL I Aqualic Scientist	10.0
WAS A JOB SAFETY MEETING HELD THIS DATE?	
YES_NO	
	73.00
WERE THERE ANY ESST TIME ASSISTANCE THIS BATE.	
(If YES attach copy of completed OSHA report) CUMULATIVE TOTAL OF WORK	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? VYES NO HOURS FROM PREVIOUS RPT	5385.0
(If YES attach statement or checklist showing inspection performed.*Crane checklist to be attached weekly.	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT?	5458.00
(If YES attach description of incident and proposed action.)	
Schedule LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED SAFETY REQUIREM HAVE BEEN ME	
Activity No. HAVE BEEN ME Daily equipment checks of equipment prior to use as required.	:1.
Pre work "safety huddle" held at beginning of day to discuss potential hazards in work to be performed.	
Weldon Diggs held a job Safety Meeting on our Safety Policies.	
EQUIDMENTANATEDIAL DECENTED TODAY TO BE INCORDED ATED IN TOD (INDICATE COLIED III E ACTIVITY AN IMPERY	
EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER) Schedule Submittal # Description of Equipment/Material Received	
Activity No. 1700 Received 136 barge delivered by The Hoss	
1700 Received 130 barge delivered by The Hoss	
L L CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.	
Schedule Owner Description of Construction Equipment Used Today (incl Make and Model) Activity No.	Hours Used
McLean Weldon Diggs Truck (P344L)	10
McLean David Davis (P338L)	10
McLean CC87(127Ton Lima)	10
McLean SC130 (barge under the crane)	10
McLean BU85 (Enviro Bucket)	10
McLean WB39 (Work Boat)	10
McLean JB46 (Jack boat)	10
Schedule REMARKS	10
Activity No.	
Collected sample from Desert Cove and delivered to Bay Enviromental	
Electrician came out and did safety checks	
Licotholan came out and did salety officing	
David 1. Navio 3/28/2013 CONTRACTOR/SUPERINTENDENT DATE	

C	Thursday 3/28/2013				
ONTRACT NO	TITLE AND LOCATION			D=D0D=110	
40085-12-C-7004				REPORT NO.	
ORK PERFORMED				•	
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
,		McLean			
			+		
 			1		
					ļ
					<u> </u>
				Ī	Ī

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Thurs 3/28/2	
CONTRACT N	10		3/20/2	010
		TITLE AND LOCATION	DEDODT NO	160
N40085-12-C-		ANT FOLUDATE LONG ON THE TORAY INDICATE LIQUIDO LIGED AND COLUDATE IN	REPORT NO.	
Schedule	ION AND PLA	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			l
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			l
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A				
N/A				
0.1	EOLUBRATION I	DEMARKO.		
	EQUIPMENT	KEMARKS		
Activity No.				
INCLUDE ALL	DEDCOMME	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CONTRACTOR PRODUCTION REPORT				Monday 4/1/2013	
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		4/1/2013	•
CONTRACT NO N40085-12-C-70		TITLE AND LOCATION Little Creek Maintence Dredgi	ina		REPORT NO.	164
		Entre of ear Maintenee Breagn	Ī		ILLI OKI NO.	101
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	- Di	DAVE WORKED	97
AM WEATHER		IPM WEATHER	Carl Weldo		DAYS WORKED MIN TEMP (F)	91
ANI WEATHER		I W WEXTILE	W OX 12	(1)	(1)	
			PERFORMED TODAY			•
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 19 Placed 766 yards into the 1		1	Superintendent	10.0
	barge.		McLean	1	QC Manager	10.0
			McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean McLean	2 2	Electrican Mechanic	
	1		McLean	1	Welder	
	1		McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			CHZWITILL	' '	Aquatic Scientist	10.0
	<u> </u>	WAS A JOB SAFETY MEETING HELD THIS	 S DATE?		TOTAL WORK HOURS ON JOB SIT	E
JO	В		0 27.1.21	✓ YES NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	The state of the s	WERE THERE ANY LOST TIME ACCIDEN	TS THIS DATE?	☐ YES ✓ NO	THIS DATE WINCE CONT SHEETS	70.00
		(If YES attach copy of completed OSHA report)	13 ITIIS DATE!	☐ YES[¥] NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	II IET/TRENCHII	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT \	NORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5458.0
		list showing inspection performed.*Crane checklist		YES_ NO	TOTAL WORK HOURS FROM	3436.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•		START OF CONSTRUCTION	5528.00
			VILIVI:	YES✓ NO	START OF CONSTRUCTION	3320.00
(If YES attach descript						
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPI	ECTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.	<u></u>				HAVE BEEN M	IET.
		ent checks of equipment prior to use as requi				
		fety huddle" held at beginning of day to discus		rk to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Poli	cies.			
					,	
		EIVED TODAY TO BE INCORPORATED IN	•	ILE ACTIVITY NUM	MBER)	
	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Descrived 144 horse delivered by The Llees				
	1700	Received 141 barge delivered by The Hoss				
CONSTRUCTIO			VATE HOUDS USED AND	SCHEDIII E ACT	IVITY NI IMPED	
Schedule	Owner	Description of Construction Equipment Used			IVIII NUIVIDEK.	Hours Used
Activity No.	Owner	Description of Constitution Equipment oset	i Today (IIICI Wake alid Wi	Juei)		Tiours Osed
Activity No.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	100 10 (00011 0001)				
Activity No.						
	Welder came	e on site to weld on spud and clam shell bucke	et			
		,				
				~		
			David J. A	Vario	4/1/2013	
			CONTRACTOR/SUF		DATE	_
	1	1/00)				

С	Monday 4/1/2013				
ONTRACT NO	TITLE AND LOCATION				
40085-12-C-7004				REPORT NO.	
ORK PERFORMED					_
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
		McLean			
			-		
			1		
			1		
			+		
					ļ
			_		
		i	1	I	

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Mond 4/1/20	
CONTRACT N	10		7/1/20	710
		TITLE AND LOCATION	DEDODT NO	164
N40085-12-C-		THE CHIRMS IT ON THE TOPAY, INDICATE LICENS AND COLUMN IN	REPORT NO.	
Schedule	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			1
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
	McLean			
N/A N/A	McLean McLean			I
N/A	McLean			
N/A N/A	McLean			
N/A N/A				
N/A				
Schedule	EQUIPMENT	DEWADKS		
Activity No.	LQUIFIVIEINI	INLIMATING		
, totavity INO.				
INCLUDE ALL	DEDCOMME	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CO	NTRACTOR PRODUCTIO			Tuesday	
		(ATTACH ADDITIONAL SHEETS IF NEC	CESARY)		4/2/2013)
CONTRACT NO N40085-12-C-70		TITLE AND LOCATION Little Creek Maintence Dredgi	ina		REPORT NO.	165
	04	Entre of eak Maintenee Bi eagi	Ī		INET OILT INO.	100
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT Carl Wolde	n Diago	DAYS WORKED	98
AM WEATHER		PM WEATHER	Carl Weldo		MIN TEMP (F)	90
			PERFORMED TODAY	1	1	1
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 19 and finished. Moved to cell 1	17 McLean	1	Superintendent	10.0
		1 yards from 17 and place into 141 barge.	McLean	1	QC Manager	10.0
	Total for the	day is 954 yards.	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	10.0
			CH2M HILL	1	Aquatic Scientist	10.0
		DAVAGO A LOD GASETY/AMSETTING LIST D. T.I.I.	0.04750			<u>l</u>
10		WAS A JOB SAFETY MEETING HELD THIS	S DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
JOI	١.				THIS DATE< INCL CON'T SHEETS	70.00
SAFE	:11	WERE THERE ANY LOST TIME ACCIDENT	TS THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	ILIFT/TRENCHII	 NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT V	WORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5528.0
(If YES attach state	ement or checkl	list showing inspection performed.*Crane checklist t	to be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIA	L/WASTE RELEASED INTO THE ENVIRONM	MENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5598.00
(If YES attach descript	tion of incident and	proposed action.)				
Schedule	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPE	ECTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.	LIOT OAI L	TI ACTIONO TAKEN TODATION ETT INCIT	LOTIONO CONDUCTED		HAVE BEEN M	
7 touvity 140.	Daily equipm	ent checks of equipment prior to use as requi	rad		1000 52210	
		fety huddle" held at beginning of day to discus		rk to be performed		
		is held a job Safety Meeting on our Safety Poli		ik to be periorified.		
	Weldon Digg	is field a job Safety Meeting off our Safety Foll	icies.			
EOLIIDMENT/MA	TEDIAL DEC	EIVED TODAY TO BE INCORPORATED IN .	IOB (INIDICATE SCHEDI		ADED)	
		Description of Equipment/Material Received		DEL ACTIVITINON	WIDER)	
Activity No.	Submittal #	Description of Equipment/Material Received				
Activity No.	1700	Received 136 barge delivered by The Hoss				
	1700	Received 130 barge delivered by The Hoss				
CONSTRUCTION		. I T EQUIPMENT ON JOB SITE TODAY. INDIC	ATE HOLIDS LISED AND		IVITY NII IMBED	
Schedule	Owner	Description of Construction Equipment Used			IVII I NOWBER.	Hours Used
Activity No.	OWITE	Description of Construction Equipment osec	i Today (IIIci Wake and IW	ouei)		Tiours Osea
Activity 140.	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS	obto (dack boat)				10
Activity No.	KEWAKKO					
ACTIVITY INC.						
			David J. A	Danies	4/0/0040	
					4/2/2013	-
		(40)	CONTRACTOR/SUF	PERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Tuesday 4/2/2013	
CONTRACT NO TITLE AND LOCATION						
40085-12-C-7004				REPORT NO.		
ORK PERFORMED	TODAY		T		T	
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
, ,		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
			+			
			-		<u> </u>	
					<u> </u>	
		1	1	1		

	CO	NTRACTOR PRODUCTION REPORT	Tues	dav
		(EQUIPMENT SHEET)	4/2/2	
CONTRACT	NO	TITLE AND LOCATION		
N40085-12-C	-7004		REPORT NO.	165
CONSTRUCT	ION AND PL	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED A	ND SCHEDULE ACTIVITY NUMBER.	
Schedule			T	·
Activity No.	Owner McLean		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			_
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			1
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A N/A				
N/A				
Schedule Activity No.	EQUIPMEN ⁻	T REMARKS	L	1
, totavity 140.				
INCLUDE AL	L PERSONNE	EL WORK HOURS IN THE WORK PERFORMED SECTION ON THIS S	HEET	
INTO THE FR		RACTOR PRODUCTION REPORT	SHEET 3 OF 3	
COMPINED	UNIVI U 1450-	J (J130)	SHEEL 3 OF 3	

	CON	NTRACTOR PRODUCTION			Wednesda	•
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		4/3/2013	S
CONTRACT NO		TITLE AND LOCATION			DEDODENIO	400
N40085-12-C-70	04	Little Creek Maintence Dredgi	ng		REPORT NO.	166
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
			Carl Weldo		DAYS WORKED	99
AM WEATHER		PM WEATHER	MAX TE	EMP (F)	MIN TEMP (F)	
		WORK P	I ERFORMED TODAY			
Schedule	WC	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No. 1700	No dredaina t	today. Did repairs on the crane and	McLean	1	Superintendent	10.0
1700	fixed a leak o	n the SC142 barge.	McLean	1	QC Manager	10.0
			McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean	2	Electrican	
			McLean	2	Mechanic	10.0
			McLean	1	Welder	10.0
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		<u> </u>				
10		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
JOI	A Committee of the Comm				THIS DATE< INCL CON'T SHEETS	90.00
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5598.0
(If YES attach state	ement or checkli	st showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	IENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5688.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
·	Daily equipme	ent checks of equipment prior to use as require	ed.		<u> </u>	
		ety huddle" held at beginning of day to discuss		ork to be performed.		
		s held a job Safety Meeting on our Safety Police				
	- 55	, , ,				
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDI	ULE ACTIVITY NUN	MBER)	
		Description of Equipment/Material Received	•		,	
Activity No.						
	1700	Received 142 barge delivered by The Hoss				
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AN	D SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	lodel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.	Mechanics ca	ame on site to work on crane.				
			A -11	Doguin	, to to a	
			Ravid J. 1		4/3/2013	_
			CONTRACTOR/SU	PERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Wednesday 4/3/2013	
ONTRACT NO	TITLE AND LOCATION					
40085-12-C-7004				REPORT NO.		
ORK PERFORMED			•		ī	
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
ioning inc		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
+						
<u> </u>						
				<u> </u>		
+						
+						
					1	
				1	†	

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Wedne 4/3/20	
CONTRACT N	10	TITLE AND LOCATION	470720	710
		TITLE AND LOCATION	REPORT NO.	166
N40085-12-C-		INT FOLUDMENT ON TOD CITE TODAY INDICATE LIGHTS HEED AND COLIEDIUS		
Schedule		ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			I
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A				
N/A				
0.1	EOLUBRATION I	DEMARKO.		
	EQUIPMENT	KEMARKS		
Activity No.				
INCLUDE ALL	DEDCOMME	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CON	NTRACTOR PRODUCTION (ATTACH ADDITIONAL SHEETS IF NECO			Thursday 4/4/2013	*
CONTRACT NO		TITLE AND LOCATION	JESAKT)		7/7/2010	,
N40085-12-C-70	04	Little Creek Maintence Dredgi	na		REPORT NO.	167
		ETTTE OF COR Maintened Dr Cagn	Ĭ		KEI OKI NO.	107
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT	n Dinne	DAYS WORKED	100
AM WEATHER		PM WEATHER	Carl Weldo		MIN TEMP (F)	100
AW WEATHER		FW WEATHER	IVIAX IL	IVIE (I ⁻)	IVIII (I)	
			ERFORMED TODAY			
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 17 Removed an additional	McLean	1	Superintendent	10.0
	Removed 922	2 yards from 17 and place into 142 barge.	McLean	1	QC Manager	10.0
			McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	1.0
			McLean	2	Electrican	
			McLean	2	Mechanic	
			McLean	1	Welder	
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	A Committee of the Comm				THIS DATE< INCL CON'T SHEETS	71.00
SAFE	ETY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5688.0
		st showing inspection performed *Crane checklist to			TOTAL WORK HOURS FROM	
•		L/WASTE RELEASED INTO THE ENVIRONM	•	YES NO	START OF CONSTRUCTION	5759.00
(If YES attach descript				I YES NO		0.00.00
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.					HAVE BEEN M	ET.
		ent checks of equipment prior to use as require				
		fety huddle" held at beginning of day to discuss		rk to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polic	cies.			
		EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 136 barge delivered by The Hoss to	onight			
CONSTRUCTIO	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and Me	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					•
Activity No.	Dan Miller (sa	afety) came by the site				
	†					
	1					
	1					
	†					
	+					
			Parid J. 9	Davis	4/4/2013	
			CONTRACTOR/SUF		DATE	-
			CONTRACTOR/SU	FERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					day 013
ONTRACT NO	TITLE AND LOCATION				
40085-12-C-7004				REPORT NO.	
ORK PERFORMED					
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
ioning inc		McLean			
+					
<u> </u>					
					<u> </u>
					<u> </u>
				1	Ĭ.

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Thurs 4/4/20	
CONTRACTA	10		4/4/20	713
CONTRACT N		TITLE AND LOCATION	DEDORTNO	407
N40085-12-C-			REPORT NO.	167
Schedule	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean		110010 011 000 0110	110010 111 000
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			T
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			I
N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A				
N/A				
0 1 1 1	EOLUBRATION I	DEMARKO		
Schedule Activity No.	EQUIPMENT	REMARKS		
. totavity 140.				
INCLUDE ***	DEDOOME	I WORK HOURS IN THE WORK PERSONNER SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CON	NTRACTOR PRODUCTION			Tuesday 4/9/2013	
CONTRACT NO		(ATTACH ADDITIONAL SHEETS IF NECC	JESARY)		4/9/2013)
	0.4	Little Creek Maintence Dredgin	20		REPORT NO.	172
N40085-12-C-70	04	Little creek Maintence Dreaging	ĭ		REPORT NO.	172
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYO WODKED	404
AAA \A\E A TI IED		IDM WEATHER	Carl Weldo		DAYS WORKED	101
AM WEATHER		PM WEATHER	MAX IE	MP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY		l	
Schedule Activity No.	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 17 Removed an additional 349a		1	Superintendent	10.0
		3 yards from 18 and placed 922 yards into	McLean	1	QC Manager	10.0
	the sc136 ba	rge	McLean McLean	3	Crane Operator Deck Hands	10.0
			McLean	1		30.0
			McLean	2	Safety Director Electrican	
			McLean	1	Mechanic	1.5
			McLean	1	Welder	1.5
			McLean	1	Engineer	
			CH2M HILL	1	Aquatic Scientist	10.0
			0		/ iqualio coloniliot	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	Έ,
JOI	В			YES NO	THIS DATE< INCL CON'T SHEETS	71.50
SAFE	TY	WERE THERE ANY LOST TIME ACCIDENT (If YES attach copy of completed OSHA report)	S THIS DATE?	☐ YES ✓ NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIET/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	IORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5759.0
		ist showing inspection performed.*Crane checklist to		YES NO	TOTAL WORK HOURS FROM	5759.0
•		L/WASTE RELEASED INTO THE ENVIRONM	•		START OF CONSTRUCTION	5830.50
(If YES attach descript			LINI:	☐ YES ✓ NO	START OF CONSTRUCTION	3030.30
Schedule Activity No.		TY ACTIONS TAKEN TODAY/SAFETY INSPE			SAFETY REQUIRE HAVE BEEN M	
		ent checks of equipment prior to use as require				
		fety huddle" held at beginning of day to discuss		rk to be performed.		
	Weldon Digg	s held a job Safety Meeting on our Safety Police	cies.			
Schedule		EIVED TODAY TO BE INCORPORATED IN June Description of Equipment/Material Received	OB (INDICATE SCHEDU	JLE ACTIVITY NUM	/IBER)	
Activity No.	1700	Received 141 barge delivered by The Hoss to	amarraw mauraina			
	1700	Received 141 barge delivered by The Hoss to	officitow mourning			
CONSTRUCTION	I N AND PI ANT	I FEQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	O SCHEDULE ACT	IVITY NUMBER	
Schedule Activity No.	Owner	Description of Construction Equipment Used				Hours Used
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.		me on site to work on crane				
	Getting a lot	of debris in 17 and 18				
			David 1. 9		4/9/2013 DATE	-
	I					

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Tuesday 4/9/2013	
ONTRACT NO	TITLE AND LOCATION					
40085-12-C-7004	REPORT NO.					
ORK PERFORMED	TODAY		1			
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
CHVITY 140.		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
			_			
			-			
			_			
			_			
			+			
+			-			
			1	i	1	

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Tueso 4/9/20	
CONTRACT N	10	TITLE AND LOCATION	470720	710
N40085-12-C-		TITLE AND LOCATION	REPORT NO.	172
		<u> </u> NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE		
Schedule		THE EQUIT MENT ON JOB SITE TODAT. INDICATE HOURS USED AND SCHEDULE	ACTIVITI NOMBLIK.	I
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			<u>l</u>
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean McLean			
N/A	MCLEAN			
N/A				
N/A N/A				
N/A N/A				
14// (
Schedule Activity No.	EQUIPMENT	REMARKS		
INCLUDE ALL	PERSONNF	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		ACTOR PRODUCTION REPORT		

	CON	NTRACTOR PRODUCTION			Wednesda	•
	(ATTACH ADDITIONAL SHEETS IF NECCESARY)			4/10/201	3	
CONTRACT NO		TITLE AND LOCATION				
N40085-12-C-70	04	Little Creek Maintence Dredgir	ng		REPORT NO.	173
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
		Mozeum Contracting Company	Carl Weldo		DAYS WORKED	102
AM WEATHER		PM WEATHER	MAX TE	MP (F)	MIN TEMP (F)	
		WORK PI	 ERFORMED TODAY			
Schedule	WC	PRK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.						
1700	Continued to	dredge in cell 18. Removed an additional 1085 3 Placed material into the SC141 barge	McLean McLean	1 1	Superintendent QC Manager	10.0 10.0
	yarus nom re	Traced material into the SC 141 barge	McLean	1	Crane Operator	10.0
			McLean	3	Deck Hands	30.0
			McLean	1		30.0
				2	Safety Director	
			McLean McLean	1	Electrican	0.5
					Mechanic	0.5
			McLean	1	Welder	
			McLean	1	Engineer	40.0
			CH2M HILL	1	Aquatic Scientist	10.0
		TWACA TOD CAFETY MEETING HELD THIO	DATEO			
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	
JOI	A Company of the Comp				THIS DATE< INCL CON'T SHEETS	70.50
SAFE	:IY /	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	– NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5830.5
(If YES attach state	ement or checkli	st showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5901.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule		TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	MENTO
	LIST SAFET	IT ACTIONS TAKEN TODAT/SAFETT INSPE	CHONS CONDUCTED		HAVE BEEN M	
Activity No.	Daile a suria sa	ant also also of a main mannet mains to a second main	- J		— HAVE BEEN IV	IE I .
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		rk to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Police	ies.			
		EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEDU	JLE ACTIVITY NUN	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
	1700	Received 142 barge delivered by The Hoss to	omorrow mourning			
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	O SCHEDULE ACT	IVITY NUMBER.	_
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and M	odel)		Hours Used
Activity No.						
	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					
Activity No.		on site to inspect sheaves				
7 touvity 110.	TTOIGOT GAITIG	on one to inspect oneaves				
	 					
	+					
	+					
	 					
	1					
			David J. 9	Daguia	4/40/0040	
					4/10/2013	-
			CONTRACTOR/SU	PERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					sday 2013
ONTRACT NO	TITLE AND LOCATION				
40085-12-C-7004				REPORT NO.	
ORK PERFORMED					1
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
ACTIVITY NO.		McLean			
			_		
			+		
			-		
			-		
+			1		
			1	i	1

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Wedne 4/10/2	
CONTRACT N	10		7/10/2	010
		TITLE AND LOCATION	DEDODT NO	470
N40085-12-C-		ANT FOLUDATE LONG ON THE TORAY INDICATE LIQUIDO LIGED AND COLUDBUILD	REPORT NO.	173
Schedule	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			l
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
N/A	McLean McLean			
N/A	McLean			
N/A	McLean			l
N/A	McLean			
N/A N/A	McLean			
N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A				
N/A N/A				
N/A				
0.1	EOLUBRATION I	DEMARKO.		
	EQUIPMENT	KEMARKS		
Activity No.				
INCLUDE ALL	DEDCOMME	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CON	NTRACTOR PRODUCTION			Thursday	₹
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		4/11/201	3
CONTRACT NO		TITLE AND LOCATION			DEDODE NO	474
N40085-12-C-700)4	Little Creek Maintence Dredgin	1g		REPORT NO.	174
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			400
******			Carl Weldo		DAYS WORKED	103
AM WEATHER		PM WEATHER	MAX IE	MP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
1700		dredge in cell 18. Removed an additional	McLean	1	Superintendent	10.0
		o the 142 barge. Spent half the day	McLean	1	QC Manager	10.0
	•	e crane. Finished dredging cell 18 and finished		1	Crane Operator	10.0
	dredging Des	ert Cove.	McLean	1	Deck Hands	30.0
			McLean	2	Safety Director	
			McLean McLean	1	Electrican	
				1	Mechanic	6.0
			McLean McLean	1	Welder Engineer	6.0
			CH2M HILL	1	Aquatic Scientist	10.0
			CHZIVI HILL	<u>'</u>	Aqualic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?		TOTAL WORK HOURS ON JOB SIT	<u>l</u>
JOE	3	WAG A GOD GAI ETT MEETING TIEED THIC	DATE:	✓ YES NO	THIS DATE< INCL CON'T SHEETS	76.00
SAFE	X	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO	THIS DATE INCL CONT SHEETS	76.00
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MANI	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	5901.0
(If YES attach state	ment or checkli	st showing inspection performed. *Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDOI	JS MATERIAL	_/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	5977.00
(If YES attach description	on of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTED		SAFETY REQUIRE	
Activity No.	Doily oguinm	ant abacks of agripment prior to use as requir	a d		HAVE BEEN M	IEI.
		ent checks of equipment prior to use as require		ul. to be mentermored		
		ety huddle" held at beginning of day to discuss	•	ork to be performed.		
	weldon biggs	s held a job Safety Meeting on our Safety Police	des.			
EOLUDMENT/MA	TEDIAL DECE	EIVED TODAY TO BE INCORPORATED IN J	OD (INIDICATE SCHEDI		MDED)	
Schedule		Description of Equipment/Material Received	OB (INDICATE SCHEDO	JLE ACTIVITY NON	ider)	
Activity No.	1700	Received no barge delivered by The Hoss				
	1700	Received no barge delivered by The Hoss				
CONSTRUCTION	N AND PLANT	I EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED AND	D SCHEDULE ACT	IVITY NUMBER	
Schedule Activity No.	Owner	Description of Construction Equipment Used				Hours Used
,	McLean	Weldon Diggs Truck (P344L)				10
	McLean	David Davis (P338L)				10
	McLean	CC87(127Ton Lima)				10
	McLean	SC130 (barge under the crane)				10
	McLean	BU85 (Enviro Bucket)				10
	McLean	WB39 (Work Boat)				10
	McLean	JB46 (Jack boat)				10
Schedule	REMARKS					•
Activity No.	Welder came	on site to weld on sheaves				
			David 1. 9		4/11/2013 DATE	-

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					day 2013
ONTRACT NO	TITLE AND LOCATION				
40085-12-C-7004				REPORT NO.	
ORK PERFORMED			1		
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
ACTIVITY 140.		McLean			
			-		
			+		
			_		
			+		
+					

	CON	NTRACTOR PRODUCTION REPORT	Thurs 4/11/2	
		(EQUIPMENT SHEET)	4/11/2	013
CONTRACT N		TITLE AND LOCATION		474
N40085-12-C-			REPORT NO.	174
	TION AND PLA I	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	ļ
Schedule Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean		1 louis on sob olic	110013 111 030
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
N/A	McLean McLean			
N/A	McLean			1
N/A	McLean			
N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			T
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A				
Schedule Activity No.	EQUIPMENT	REMARKS		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CO	NTRACTOR PRODUCTION			Wednesda 4/24/2013	•	
001170407410		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		4/24/201	<u> </u>	
CONTRACT NO N40085-12-C-70	04	TITLE AND LOCATION Little Creek Maintence Dredgin	ng		REPORT NO.	187	
CONTRACTOR		SLIDEDINTENDENT					
CONTRACTOR		McLean Contracting Company	Carl Weldon	Diggs	DAYS WORKED	111	
AM WEATHER		PM WEATHER	MAX TEM		MIN TEMP (F)		
		Week Pr					
Schedule	I WC	ORK LOCATION AND DESCRIPTION	ERFORMED TODAY EMPLOYER	NUMBER	TRADE	HRS	
Activity No.		THE EGOTH THE BEGOTH HOLD	LIVII LOTEIX	NOWBER	INADE	1110	
·		the Bid Option area to desert cove and started	McLean	1	Superintendent	10.0	
	placing sand	in cell17. Placed about 440 yards in to cell 17	McLean	1	QC Manager	10.0	
			McLean McLean	3	Crane Operator Deck Hands	10.0 30.0	
			McLean	1	Safety Director	30.0	
			McLean	2	Electrican		
			McLean	1	Mechanic		
			McLean	1	Welder		
			McLean	1	Engineer		
			CH2M HILL	1	Aquatic Scientist	10.0	
12		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT		
JOI	1				THIS DATE< INCL CON'T SHEETS	70.00	
SAFE	:TY	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO			
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK		
		NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W		✓ YES NO	HOURS FROM PREVIOUS RPT	6368.0	
•		ist showing inspection performed *Crane checklist to	•		TOTAL WORK HOURS FROM		
		L/WASTE RELEASED INTO THE ENVIRONMI	ENT?	YES ✓ NO	START OF CONSTRUCTION	6438.00	
(If YES attach descript	ion of incident and	proposed action.)					
Schedule Activity No.	LIST SAFE	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE HAVE BEEN M		
7 totivity 140.	Daily equipm	ent checks of equipment prior to use as require	ed.		TITAL BELIA		
		fety huddle" held at beginning of day to discuss		to be performed.			
		s held a job Safety Meeting on our Safety Police					
		, , , , , , , , , , , , , , , , , , , ,					
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN JO	OB (INDICATE SCHEDUL	E ACTIVITY NUM	MBER)		
Schedule	Submittal #	Description of Equipment/Material Received					
Activity No.							
		Received a sand barge from Vulcan deliver by	y Intra coastal				
			TE		W (IT) () W (I II) II		
		FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	l	
Schedule Activity No.	Owner	Description of Construction Equipment Used	loday (incl Make and Mod	dei)		Hours Used	
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0	
	McLean	David Davis (P338L)				10.0	
	McLean	CC87(127Ton Lima)				10.0	
	McLean	SC130 (barge under the crane)				10.0	
	McLean	BU85 (Enviro Bucket)				10.0	
	McLean	WB39 (Work Boat)				10.0	
	McLean	JB46 (Jack boat)				10.0	
Schedule	REMARKS						
Activity No.							
			David J. D	ario	4/24/2013		
			CONTRACTOR/SUPE		DATE	-	
2011011150 505	1	(00)	CONTRACTOR/SUPE	LIMINI EINDENI	DATE		

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Wednesday 4/24/2013	
ONTRACT NO	TITLE AND LOCATION					
40085-12-C-7004				REPORT NO.		
ORK PERFORMED T						
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
+						
						
					1	
						
+						
+						
						
				i .		

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Wedne 4/24/2	
CONTRACTA	10		7/27/2	013
CONTRACT N		TITLE AND LOCATION	DEDORTNO	407
N40085-12-C-			REPORT NO.	187
Schedule	ION AND PLA	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean		Tiodio on oob oile	110013 111 030
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A				
N/A N/A				
N/A				
N/A				
Schedule Activity No.	EQUIPMENT	REMARKS		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CON	NTRACTOR PRODUCTION			Thursday 4/25/2013	*
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		4/25/2013	3
CONTRACT NO	0.4	TITLE AND LOCATION			REPORT NO.	188
N40085-12-C-700	04	Little Creek Maintence Dredgin	Ĭ		REPORT NO.	100
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT		DAYO WORKER	440
		IDMANUEATHED	Carl Weldor MAX TEM		DAYS WORKED	112
AM WEATHER		PM WEATHER	MAX TEN	IP (F)	MIN TEMP (F)	
		WORK PE	RFORMED TODAY			
Schedule	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.	Continued to	dredge in cell 17. Completed cell 17, placed	McLean	1	Superintendent	10.0
	additional 154	4 yards in to cell 17 and placed total of 595 yard	McLean	1	QC Manager	10.0
		18 and started placing sand. Placed 441yards	McLean	1	Crane Operator	10.0
	cell 18. Total	placed today 595	McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean MoLean	2	Electrican	2.0
			McLean McLean	1	Mechanic Welder	3.0
			McLean	1	Truck Driver	2.0
			CH2M HILL	1	Aquatic Scientist	10.0
					7 1944410 0010111101	
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES NO	TOTAL WORK HOURS ON JOB SIT	E,
JOI	3			YESINO	THIS DATE< INCL CON'T SHEETS	75.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENTS	STHIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WO	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6438.0
(If YES attach state	ement or checkli	st showing inspection performed. *Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	L/WASTE RELEASED INTO THE ENVIRONME	ENT?	YES NO	START OF CONSTRUCTION	6513.00
(If YES attach descripti	ion of incident and	proposed action.)			' 	
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
,	Daily equipme	ent checks of equipment prior to use as require	d.			
		ety huddle" held at beginning of day to discuss		to be performed.		
		s held a job Safety Meeting on our Safety Polici		·		
EQUIPMENT/MA	TERIAL RECE	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDUL	E ACTIVITY NUM	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received				
Activity No.						
CONSTRUCTION	I N AND DI ANT	I EQUIPMENT ON JOB SITE TODAY. INDICA	TE HOLIDS LISED AND	SCHEDIII E ACTI	IVITY NI IMBED	
Schedule	Owner	Description of Construction Equipment Used			IVII I NOMBER.	Hours Used
Activity No.	J WING	2 3 3 1 public of 3 3 1 of 1 of 1 of 1 of 1 of 1 of 1	. July mano and Mo	,		1.0310 0300
,	McLean	Weldon Diggs Truck (P344L)				10.0
	McLean	David Davis (P338L)				10.0
	McLean	CC87(127Ton Lima)				10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean	WB39 (Work Boat)				10.0
	McLean	JB46				10.0
0 1 1 1	Rental	Bobcat				10.0
Schedule	REMARKS	no an aita ta ranair an air lack an the areas				
Activity No.		ne on site to repair an air leak on the crane. delivered a bobcat for cleaning out the sand bar	'ne			
	THOR GIVEL	solution of old and out the sail bar	5 ~·			
			Ravid J. R	ario	4/25/2013	
			CONTRACTOR/SUPI		DATE	-
		()				

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Thursday 4/25/2013	
ONTRACT NO	TITLE AND LOCATION			REPORT NO.		
40085-12-C-7004						
ORK PERFORMED 1			T			
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
ACTIVITY NO.		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
						
						
				+	+	

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Thurs 4/25/2	
	10		4/23/2	013
CONTRACT N		TITLE AND LOCATION		400
N40085-12-C-			REPORT NO.	188
	TION AND PLA I	NT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	
Schedule Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean		1 louis on Job Site	riouis iii ose
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	MCLean			
N/A				
Schedule Activity No.	EQUIPMENT	REMARKS		
INCLUDE ALL	PERSONNF	L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		
		ACTOR PRODUCTION REPORT		

	CON	NTRACTOR PRODUCTION			Friday	
		(ATTACH ADDITIONAL SHEETS IF NECC	ESARY)		4/26/2013	3
CONTRACT NO		TITLE AND LOCATION				400
N40085-12-C-700	04	Little Creek Maintence Dredgin	9		REPORT NO.	189
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			440
		IDM/WEATHED	Carl Weldor		DAYS WORKED	113
AM WEATHER		PM WEATHER	MAX IEN	/IP (F)	MIN TEMP (F)	
			RFORMED TODAY			
Schedule Activity No.	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
j	Continued to	dredge in cell 18. Completed cell 18, placed	McLean	1	Superintendent	10.0
		Syards in to cell 18 and placed total of 616 yards 19 and started placing sand. Placed 301yards	McLean McLean	1 1	QC Manager	10.0 10.0
		placed today 476yards	McLean	3	Crane Operator Deck Hands	30.0
	oon to. Total	placed teday 47 eyards	McLean	1	Safety Director	00.0
			McLean	1	Electrican	
			McLean	1	Mechanic	
			McLean	1	Welder	
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE2		TOTAL WORK HOURS ON JOB SIT	<u> </u>
JOI	3	WAS A JOB SAI ETT WEETING HEED THIS	DATE!	✓ YES NO	THIS DATE< INCL CON'T SHEETS	70.00
SAFE	1	WERE THERE ANY LOST TIME ACCIDENTS	THIS DATE?	☐ YES ✓ NO	THIS DATES INCL CONT SHEETS	70.00
J		(If YES attach copy of completed OSHA report)	THIS DATE:	YES[▼] NO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	I(MAZMAT WORK/ HAZMAT WORK/ WORK/ HAZMAT WORK/ WORK/ HAZMAT WORK/	ORK DONE?	✓ YES NO	HOURS FROM PREVIOUS RPT	6513.0
(If YES attach state	ement or checkli	st showing inspection performed.*Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAL	_/WASTE RELEASED INTO THE ENVIRONME	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	6583.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED		SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	
		ent checks of equipment prior to use as require				
		ety huddle" held at beginning of day to discuss		k to be performed.		
	Weldon Diggs	s held a job Safety Meeting on our Safety Polici	es.			
= 0.1 = 1.1			- (NIBIOATE COLIEBUI	. =	10.50	
		EIVED TODAY TO BE INCORPORATED IN JC Description of Equipment/Material Received	B (INDICATE SCHEDU	LE ACTIVITY NUN	(IBER)	
Schedule Activity No.	Submittal #	Description of Equipment/Material Received				
Activity 140.						
		EQUIPMENT ON JOB SITE TODAY. INDICA			VITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used 1	Today (incl Make and Mo	odel)		Hours Used
Activity No.	Malaaa	Woldon Diggo Truck (D244L)				40.0
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10.0 10.0
	McLean	CC87(127Ton Lima)				10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean	WB39 (Work Boat)				10.0
	McLean	JB46				10.0
	Rental	Bobcat				10.0
Schedule Activity No.	REMARKS					
			David J. R	ario	4/26/2013	
			CONTRACTOR/SUP		4/26/2013 DATE	-
		()	CONTRACTOR/SUP	EKINTENDENT	DATE	

		day /2013			
CONTRACT NO					
N40085-12-C-7004				REPORT NO.	
WORK PERFORMED	MODIC LOCATION AND DESCRIPTION	EMPLOYED	L NUMBER	TDADE	LIDO
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.		McLean			
		McLean			
		McLean			
		McLean			_
		McLean			_
					+
					+
					+
			+		+
					_
					-
					_
					_
					_
					1
					+
					+
					+
 					+
					+
 					+
INCLLIDE ALL DERSO	ONNEL WORK HOURS IN THE WORK PERFORI	MED SECTION ON THIS S	HEET	1	
	DNTRACTOR PRODUCTION REPORT	5 5_5 11514 514 11110 6			

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Frida 4/26/2	
CONTRACT N	JO.	TITLE AND LOCATION	7/20/2	010
		TITLE AND LOCATION	REPORT NO.	189
N40085-12-C-		INT FOLUDMENT ON TOD CITE TODAY INDICATE LIQUIDS LICED AND COLIEDUI.		
Schedule		ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			<u> </u>
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	MCLEAN			
N/A				
N/A N/A				
N/A				
14//				
Schedule Activity No.	EQUIPMENT	REMARKS		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	COI	NTRACTOR PRODUCTION			Monday	
(ATTACH ADDITIONAL SHEETS IF NECCESARY)				4/29/201	3	
CONTRACT NO		TITLE AND LOCATION			DEDODENIO	400
N40085-12-C-70	04	Little Creek Maintence Dredgi	19		REPORT NO.	192
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
				don Diggs	DAYS WORKED	114
AM WEATHER		PM WEATHER	MAX	ΓEMP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.	Continued to	dredge in cell 19 and started placing in	McLean	4	Cuparintandant	10.0
		ed an additional 70 yards in 19 and placed	McLean	1	Superintendent QC Manager	10.0
	98 yards into		McLean	1	Crane Operator	10.0
	Total placed	today 168 yards	McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
			McLean McLean	1 1	Electrican Mechanic	
			McLean	1	Welder	
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	10.0
		WAS A JOB SAFETY MEETING HELD THIS	DATES		TOTAL WORK HOURS ON JOB OF	<u> </u>
JOI	B	WAS A JOB SAFETY MEETING HELD THIS	DATE	✓ YES □ NO	TOTAL WORK HOURS ON JOB SIT THIS DATE< INCL CON'T SHEETS	70.00
SAFE	١	WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	☐ YES ✓ NO	THIS DATES INCL CONT SHEETS	70.00
		(If YES attach copy of completed OSHA report)	O THIO DATE:		CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	ORK DONE?	✓ YES ☐ NO	HOURS FROM PREVIOUS RPT	6513.0
(If YES attach state	ement or checkli	ist showing inspection performed. *Crane checklist to	be attached weekly.		TOTAL WORK HOURS FROM	
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	☐ YES ✓ NO	START OF CONSTRUCTION	6583.00
(If YES attach descript	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTE	D	SAFETY REQUIRE	
Activity No.	Doily oguinm	ant abacks of aguinment prior to use as requir	a d		HAVE BEEN M	IET.
		ent checks of equipment prior to use as require fety huddle" held at beginning of day to discuss		work to be performed		
		s held a job Safety Meeting on our Safety Police	•	vork to be performed.		
	00	, , , , ,				
		EIVED TODAY TO BE INCORPORATED IN J		DULE ACTIVITY NUM	MBER)	
	Submittal #	Description of Equipment/Material Received				
Activity No.						
		FEQUIPMENT ON JOB SITE TODAY. INDICA			IVITY NUMBER.	1
Schedule Activity No.	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used
Activity No.	McLean	Weldon Diggs Truck (P344L)				10.0
	McLean	David Davis (P338L)				10.0
	McLean	CC87(127Ton Lima)				10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean McLean	WB39 (Work Boat) JB46				10.0 10.0
	Rental	Bobcat				10.0
Schedule	REMARKS					
Activity No.						
			A	0		
			Parid J.	Navio	4/29/2013	_
			CONTRACTOR/S	UPERINTENDENT	DATE	

CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					Monday 4/29/2013	
ONTRACT NO	TITLE AND LOCATION					
40085-12-C-7004				REPORT NO.		
ORK PERFORMED T						
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS	
		McLean				
		McLean				
		McLean				
		McLean				
		McLean				
			+			
+			1			
			+			
			+			
			-	<u> </u>		
					1	
			_			
			+			
+			1			
			_			

	CON	NTRACTOR PRODUCTION REPORT		Mond	lay
		(EQUIPMENT SHEET)		4/29/2	
CONTRACT N	10	TITLE AND LOCATION			
N40085-12-C-				REPORT NO.	192
	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USE	D AND SCHEDULE	ACTIVITY NUMBER.	
Schedule Activity No.	Owner			Hours on Job Site	Hours In Use
N/A	McLean			110010 011 000 0110	110010 111 000
N/A	McLean				
N/A	McLean				
N/A	McLean McLean				
N/A N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean				
N/A					
N/A N/A					
N/A N/A					
14// 1					
Schedule Activity No.	EQUIPMENT	REMARKS			
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THI ACTOR PRODUCTION REPORT	S SHEET		

	CON	NTRACTOR PRODUCTION			Tuesday	
		(ATTACH ADDITIONAL SHEETS IF NECC	CESARY)		4/30/201	3
CONTRACT NO		TITLE AND LOCATION				400
N40085-12-C-700	04	Little Creek Maintence Dredgin	<u>19</u>		REPORT NO.	193
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
				don Diggs	DAYS WORKED	115
AM WEATHER		PM WEATHER	MAX T	EMP (F)	MIN TEMP (F)	
		WORK P	ERFORMED TODAY			
Schedule	WC	ORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.						
	Continued to	dredge in cell 19 and 20. Finish placing 20. Placed an additional 105 yards in to 19	McLean McLean	1 1	Superintendent QC Manager	10.0 10.0
		20. Total of 476 yards into 19 and 476	McLean	1	Crane Operator	10.0
		. Moved back to cell 18 and placed an	McLean	3	Deck Hands	30.0
		6 along the bulkhead. Total placed in	McLean	1	Safety Director	
	cell 18 is 772		McLean	1	Electrican	
	Total placed t	today 737.	McLean McLean	1 1	Mechanic Welder	
			McLean	1	Truck Driver	
			CH2M HILL	1	Aquatic Scientist	10.0
101		WAS A JOB SAFETY MEETING HELD THIS	DATE?	✓ YES ☐ NO	TOTAL WORK HOURS ON JOB SIT	
JOI SAFE	1				THIS DATE< INCL CON'T SHEETS	70.00
SAFE		WERE THERE ANY LOST TIME ACCIDENT	S THIS DATE?	YES VNO	CUMULATIVE TOTAL OF WORK	
WAS CRANE/MAN	LIFT/TRENCHIN	I(If YES attach copy of completed OSHA report) NG/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT W	/ORK DONE?	✓ YES □ NO	HOURS FROM PREVIOUS RPT	6583.0
		ist showing inspection performed.*Crane checklist to			TOTAL WORK HOURS FROM	0000.0
WAS HAZARDO	US MATERIAI	L/WASTE RELEASED INTO THE ENVIRONM	ENT?	YES VNO	START OF CONSTRUCTION	6653.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPE	CTIONS CONDUCTE	D	SAFETY REQUIRE	MENTS
Activity No.					HAVE BEEN M	IET.
		ent checks of equipment prior to use as require				
		fety huddle" held at beginning of day to discuss		ork to be performed.		
	weldon Diggs	s held a job Safety Meeting on our Safety Polic	des.			
EQUIPMENT/MA	TERIAL REC	EIVED TODAY TO BE INCORPORATED IN J	OB (INDICATE SCHEI	DULE ACTIVITY NUM	MBER)	
		Description of Equipment/Material Received			,	
Activity No.						
CONSTRUCTION	N AND PLANT	EQUIPMENT ON JOB SITE TODAY. INDICA	ATE HOURS USED A	ND SCHEDULE ACT	IVITY NUMBER.	
Schedule	Owner	Description of Construction Equipment Used	Today (incl Make and	Model)		Hours Used
Activity No.						
	McLean McLean	Weldon Diggs Truck (P344L) David Davis (P338L)				10.0
	McLean	CC87(127Ton Lima)				10.0 10.0
	McLean	SC130 (barge under the crane)				10.0
	McLean	BU85 (Enviro Bucket)				10.0
	McLean	WB39 (Work Boat)				10.0
	McLean Rental	JB46 Bobcat				10.0 10.0
Schedule	REMARKS	Dobcat				10.0
Activity No.						
			David J.	Navio	4/30/2013	_
			CONTRACTOR/S	UPERINTENDENT	DATE	

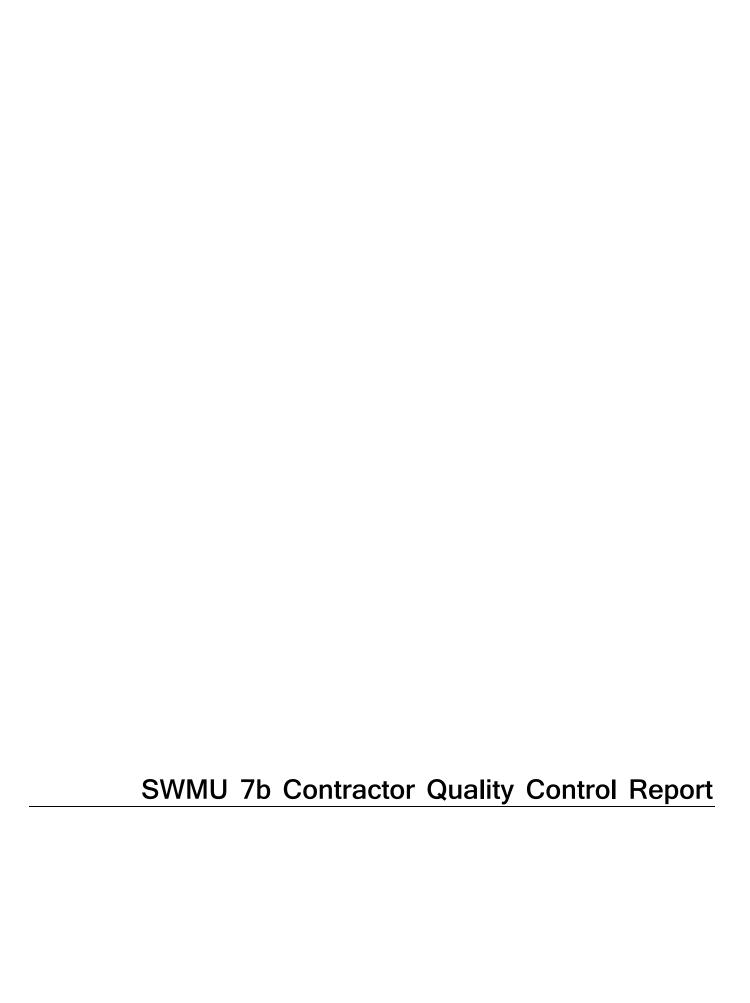
CONTRACTOR PRODUCTION REPORT (PRODUCTION SHEET)					day :013
CONTRACT NO TITLE AND LOCATION					
40085-12-C-7004				REPORT NO.	
ORK PERFORMED	TODAY		1		
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
ACTIVITY INO.		McLean			
			_		
			_		
			_		
			+		
			_		
			+		
-			+		
			1		

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Tueso 4/30/2	
CONTRACT N	10		7/30/2	010
		TITLE AND LOCATION	DEDODT NO	102
N40085-12-C-		THE CHIRMS IT ON THE TOPAY, INDICATE LICENS AND COLUMN IN	REPORT NO.	193
Schedule	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l
Activity No.	Owner		Hours on Job Site	Hours In Use
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			1
N/A N/A	McLean McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A	McLean			
N/A N/A	McLean			
	McLean			
N/A N/A	McLean McLean			I
N/A	McLean			
N/A N/A	McLean			
N/A N/A				
N/A				
Oakadala	COLUDATA	DEMARKS		
Schedule Activity No.	EQUIPMENT	KEWIAKKS		
Activity INU.				
INIOLUBE	DED00:::=	I WORK HOURS IN THE WORK DESCRIPTION OF THE STATE OF THE		
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET		

	CON					•
		•	ESARY)		5/1/2013	
CONTRACT NO						404
N40085-12-C-70	04	Little Creek Maintence Dredgin	9		REPORT NO.	194
CONTRACTOR		McLean Contracting Company	SUPERINTENDENT			
						116
AM WEATHER		PM WEATHER	MAX TEN	MP (F)	MIN TEMP (F)	
		WORK PE	RFORMED TODAY			
Schedule	WO	RK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.	Callantad	a complex in Decemb Court to device all 4 cells				40.0
		•		1	Crane Operator	10.0
	to locate whe	re the core were to be taken.	McLean	3	Deck Hands	30.0
			McLean	1	Safety Director	
	Finished with	everthing at desert cove.	McLean			
						40.0
						10.0
						10.0
			<u> </u>		/ iqualio coloniliot	.0.0
		WAS A JOB SAFETY MEETING HELD THIS	DATE?	\[\sqrt{VEQ_NO}\]	TOTAL WORK HOURS ON JOB SIT	E,
<i>1</i>	1			L IL3_ NO	THIS DATE< INCL CON'T SHEETS	80.00
SAFE	TY /	WERE THERE ANY LOST TIME ACCIDENTS	S THIS DATE?	☐ YES ✓ NO		
		(If YES attach copy of completed OSHA report)			CUMULATIVE TOTAL OF WORK	
				✓ YES NO	HOURS FROM PREVIOUS RPT	6653.0
•			•			
			ENT?	YES_✓ NO	START OF CONSTRUCTION	6733.00
(If YES attach descripti	ion of incident and	proposed action.)				
Schedule	LIST SAFET	TY ACTIONS TAKEN TODAY/SAFETY INSPEC	CTIONS CONDUCTED			
Activity No.	D-iller and in a		.1		☐ HAVE BEEN M	IEI.
				le to be performed		
				k to be performed.		
	Weldon Digg.	3 field a job Garcty Meeting on our Garcty Folice	.			
EQUIPMENT/MA	TERIAL RECE	EIVED TODAY TO BE INCORPORATED IN JO	B (INDICATE SCHEDU	LE ACTIVITY NUM	MBER)	
Schedule	Submittal #	Description of Equipment/Material Received	•		,	
Activity No.						
CONSTRUCTION	I N AND PLANT	 FOLLIPMENT ON TOR SITE TODAY INDICA	TE HOURS USED AND	SCHEDIJI E ACTI	IVITY NI IMBER	
	•	•			IVII I NOMBEK.	Hours Used
Activity No.			,	,		
	McLean	Weldon Diggs Truck (P344L)				10.0
	McLean	David Davis (P338L)				10.0
	McLean	,				
		,				
		JB46				
	Rental	Bobcat				10.0
Schedule	REMARKS					•
Activity No.			report yesterday in loca	ations #1, 2 and 5.		
	Welder came	on site to weld on the clam shell bucket.				
			Ravid J. R	Javio	5/1/2013	
					DATE	-
	MINISTRUCTION AND PLANT ECUIPMENT TODAY TAKEN TO TODAY TO SERENCE TO SERENCE TO TODAY TO SERENCE TO TODAY TO SERENCE TO TODAY TO SERENCE TO TODAY TO SERENCE TO TODAY TO SERENCE TO TODAY TO SERVE TO SER					

	CONTRACTOR PRODUCTI (PRODUCTION SHEET)	Wedno 5/1/2			
CONTRACT NO	TITLE AND LOCATION				
N40085-12-C-700				REPORT NO.	
WORK PERFORM	MED TODAY	EMPLOVED	LAUMDED	TDADE	LIDO
Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
Activity No.		McLean			
		McLean			
					
 					1
 				+	+
 					
					<u> </u>
 			+		
					
 			+		
 			+		
 					1
 					+
					<u> </u>
					
			_		+
, I					

	CON	NTRACTOR PRODUCTION REPORT (EQUIPMENT SHEET)	Wednesday 5/1/2013		
CONTRACT N	10		3/1/20	713	
		TITLE AND LOCATION	DEDODT NO	104	
N40085-12-C-		ANT FOURDMENT ON TOP OUT TOPAY, INDICATE LIGHTO HOED AND COLLEGE IN	REPORT NO.	194	
Schedule	ION AND PLA	ANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE	ACTIVITY NUMBER.	l	
Activity No.	Owner		Hours on Job Site	Hours In Use	
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean			1	
N/A N/A	McLean McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean				
	McLean				
N/A N/A	McLean McLean			I	
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A	McLean				
N/A N/A	McLean				
N/A N/A					
N/A					
Schedule	EQUIPMENT	DEWADKS			
Activity No.	LQUIFIVIEINI	INLIMATING			
, totavity INO.					
INCLUDE ALL	DEDOONING	I WORK HOURS IN THE WORK PERSONNER SECTION ON THIS SHEET			
		L WORK HOURS IN THE WORK PERFORMED SECTION ON THIS SHEET			



			CON	TRACT	TOR Q	UALITY CO	NTROL	REPORT	DATE	27-Mar-13
				(ATTA	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT	# 159
PHASE	CONTRA			N40085-12-C		CONTRACT TITLE			ce dredging, Nor	folk, Virgina
>				WORK PERFO			YES		NO 🗸	
OR,	Schedule					RATORY PHASE CHECKLIS				
Ϋ́	Scriedule		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
λA										
PREPARATORY										
Δ.										
	WAS INIT	TAL PHAS	SE WORK F	ERFORMED T	ODAY?		YES		NO 🗸	
			AND ATTAC	H SUPPLEME	NTAL INITIAL F	PHASE CHECKLIST				
AL	Schedule No		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK CO	OMPLIES	WITH CON	TRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES	/	NO	
	WORK CO	OMPLIES	1	ETY REQUIRE			YES	7	NO _	
	Schedule No	,				ed & by whom, definable and list of personnel pre				
		00				ert cove used the Hy		e to monitor t	he excavted	
₽.						02 yards of material				
N -										
FOLLOW-UP										
뎐										
	(ITEMS ID e Activity	ENTIFIED	O TODAY (N	NOT CORRECT	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO Schedule Activity	ORRECTED TODAY (FROM REWORK ITEMS LI	IST)
N		Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up p	hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.		
Schedul N	e Activity	Description	on							
IN	0.									
		,	,	is report is com	•					
				and work perfor contract drawing	_	5	0	id J. R	Davia	
specificati	ions to the	best of my	y knowledge	e except as note	ed in this report.	•	pari	9. N		27-Mar-13
			001/201				AUTHO	ORIZED QC MA	NAGER AT SITE	DATE
OUALITY A	SSURANCE					NCE REPORT TO THE REPORT				
	e Activity	Description		NEWANNO AND/C	AL LAGER HONS	TO THE REPORT				
N	0.									
						·	GOVERNMENT C	QUALITY ASSURA	NCE MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHI	EET 1 OF 1	

			CONTR	RACTO	R QU	ALITY CO	NTROL	REPOR	T DATE	28-Mar-	·13
	_			(ATTACH A	.DDITIONA	L SHEETS IF NEC	ESSARY)		REPOR ⁻	T# 160	
	CONTRA)85-12-C-7004		CONTRACT TITL			ce dredging, No	rfolk, Virgina	
			RY PHASE WOF				YES		NO 🗸		
OR	Schedule	A (' ')				ORY PHASE CHECK					
PREPARATORY	N		DEFINABLE F	EATURE OF	WORK, LO	DCATION AND LIS	I PERSONNEL F	RESENT		Index #	‡
PAF											
RE											
4											
			E WORK PERFO				YES	S 🗌	NO 🗸		
_						ASE CHECKLIST					
INITIAL	N		DEFINABLE F	EATURE OF	WORK, LO	DCATION AND LIS	T PERSONNEL F	PRESENT		Index #	‡
Z											
						INITIAL PHASE?		S 🔽	NO 🗌		
			WITH SAFETY F			0	YES	S √	NO		
	Schedule					& by whom, definal definal by the definal definal by the definition of the definitio					
	17	00						oftware to mo	nitor the excavt	ed	
-UP			material. Ex	cavated ab	out 899	yards of materia	al.				
οw											
-OLLOW-UP											
F											
REWORK	TITEMS IF	ENTIFIED	TODAY (NOT C	ORRECTED BY	Y CLOSE OF	F BUSINESS)	REWORK ITEMS C	ORRECTED TODAY (FROM REWORK ITEMS	LIST)	
	e Activity	Descriptio		ORREGIED D	. 02002 01	200111200)	Schedule Activity		THOM NEW CHARTEN	2.01)	
N	0.	2000	••				No.	200011711011			
REMARK Schedule	•	plain any F	follow-Up phase	checklist item fro	om above the	at was answered "NO"). Manuf. Rep on sit	e, etc.			
N		Descriptio	n								
0-1 1 1	-4.4										
			ertify that this rep Iterial used and w	•			- 2		4		
			ce with the contra knowledge exce				Dan	id J. R	ario)	28-Mar-	.13
оростоан	0110 10 1110	boot or my	, kilowioago oxoc	pt do notod in ti	по горога				NAGER AT SITE	DATE	10
		(GOVERNMEN	T QUALITY A	SSURANC	E REPORT					
		REPRESE	NTATIVE'S REMAI	RKS AND/OR EXC	EPTIONS TO	THE REPORT					
Schedule N		Descriptio	n								
		<u> </u>									
					_		0.01/==:::	NII A I I I I I I I I I I I I I I I I I	NOT 14111 5 5 5		
COMBIN	IED FOR	M 01450	-1 (9/98)				GOVERNMENT (QUALITY ASSURA SH	NCE MANAGER EET 1 OF 1	DATE	
		500	(=, ==)					511	· · · • · ·		

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	1-Apr-13
				(ATTACH A	ADDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	164
	CONTRA			085-12-C-700		CONTRACT TITLE	•		dredging, Norfolk,	Virgina
			RY PHASE WO				YES		NO 🗸	
OR	Schedule					ORY PHASE CHECKL		DE0511T		
PREPARATORY	N		DEFINABLE	FEATURE OF	WORK, LO	DCATION AND LIS	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
	_		SE WORK PERF				YES		NO 🗸	
_		ILL OUT A e Activity				ASE CHECKLIST				
INITIAL	N		DEFINABLE	FEATURE OF	WORK, LO	DCATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY			& by whom, definate	YES	✓	NO	
	Schedule	,				d list of personnel p				
	17	00						e to monitor the	excavted	
-UF			materiai. E	xcavated at	30ut 766	yards of materi	al.			
٥.										
FOLLOW-UP										
Ľ										
REWORK	TITEMS ID	ENTIFIED	O TODAY (NOT (CORRECTED B	Y CLOSE OI	F BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM	M REWORK ITEMS LIST)	
Schedule	e Activity	Description					Schedule Activity	Description		
N	0.						No.			
DEMARK	0 (ΔΙ	-1-i F		-bl.ll-+ 't fo	41-	-4	Manuf Dan an aite			
Schedule	•			checklist item fr	om above th	at was answered "NO")	. Manur. Rep on site	e, etc.		
N	0.	Description)rı							
On behalf	of the con	tractor. I c	ertify that this re	oort is complete	and					
correct an	d equipme	ent and ma	aterial used and v	work performed o	during this		0	-110		
			ce with the contr y knowledge exc				Navi	id J. Ra	NO	1-Apr-13
							AUTHO	ORIZED QC MANAG	SER AT SITE	DATE
			GOVERNMEN							
QUALITY A Schedule			ENTATIVE'S REMA	RKS AND/OR EXC	CEPTIONS TO	THE REPORT				
N		Description	on							
					-		GOVERNMENT Q	QUALITY ASSURANCE	MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)					SHEET		

			CON	TRACT	TOR Q	UALITY CO	NTROL	REPORT	DATE	2-Apr-13
				(ATTA	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT #	165
PHASE	CONTRA			N40085-12-C	-7004	CONTRACT TITLE	Little C		ce dredging, Norfolk	, Virgina
_				WORK PERFO			YES		NO 🗸	
OR,						RATORY PHASE CHECKLIS				1
PREPARATORY	Schedule N		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
λAR										
REF										
۵										+
	WAS INIT	TAL PHAS	SE WORK F	PERFORMED T	ODAY?		YES		NO 🗸	
	<u> </u>		AND ATTAC	H SUPPLEME	NTAL INITIAL F	PHASE CHECKLIST				1
٩٢	Schedule N		DEFINAE	BLE FEATUR	E OF WORK	, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK CO	OMPLIES	WITH CON	ITRACT AS AP	PROVED DUR	ING INITIAL PHASE?	YES		NO 🗌	1
	WORK C	OMPLIES	WITH SAF	ETY REQUIRE	MENTS?		YES		NO 🗌	
		e Activity				ed & by whom, definable				
	17	o. '00				and list of personnel pre		software to n	nonitor the excavted	
₫	17	00				ards of material.	ine Hypack	Software to fi	TOTILOT LITE EXCAVLED	
FOLLOW-UP					,					
ľ										
Ö										
REWORK	(ITEMS ID	DENTIFIED	D TODAY (N	NOT CORRECT	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEMS LIST)	
	e Activity	Description	on				Schedule Activity	Description		
N	0.						No.	·		
	S (Also ex e Activity			hase checklist i	tem from above	e that was answered "NO").	Manuf. Rep on site	e, etc.		
N		Description	on							
				is report is com and work perfor		5				
reporting	period is in	complian	nce with the	contract drawing	gs and		Dagn	id J. R	ario	0 4 40
specificat	ions to the	best of my	y knowleage	e except as note	ea in this report	•	0.00		NAGER AT SITE	2-Apr-13
		-	GOVERN	MENT QUALI	TY ASSURA	NCE REPORT	AOTIK	JRIZED QC IVIA	NAGER AT SITE	DATE
QUALITY A	ASSURANCE					TO THE REPORT				
Schedul N	e Activity	Description	on							
IN	v.									
							GOVERNMENT C			DATE
COMBIN	NED FOR	M 01450	0-1 (9/98)	· 				SHI	EET 1 OF 1	

CONTRACTOR QUALITY CONTROL REPORT DATE 3-										
	_			(ATT	ACH ADDITIO	ONAL SHEETS IF NECE			REPORT#	166
PHASE	CONTRA			N40085-12-		CONTRACT TITLE			dredging, Norfolk,	Virgina
>							YES		NO 🗸	
OR		e Activity				RATORY PHASE CHECKLIS				
PREPARATORY	N		DEFINA	BLE FEATU	RE OF WORK	K, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
<u> </u>										
	WAS INIT	TAL PHAS	SE WORK	PERFORMED	TODAY?		YES		NO 🗸	
	<u> </u>		AND ATTA	CH SUPPLEM	ENTAL INITIAL	PHASE CHECKLIST				
١٩٢	Schedule	e Activity o.	DEFINA	BLE FEATU	RE OF WORK	K, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
NITIAL										
_										
	WORK C	OMPLIES	WITH CO	NTRACT AS A	PPROVED DU	RING INITIAL PHASE?	YES	✓	NO _	
	WORK CO	OMPLIES		ETY REQUIR			YES	✓	NO	
	Schedule N	e Activity				ned & by whom, definable and list of personnel pre				
		00	no dre		otion, location	Tana list of personner pro	,301ft			
₽.										
-M										
FOLLOW-UP										
요										
	CITEMS ID	DENTIFIED	D TODAY (NOT CORREC	CTED BY CLOS	E OF BUSINESS)	REWORK ITEMS CO Schedule Activity	RRECTED TODAY (FRO	OM REWORK ITEMS LIST)	
	O.	Description	on				No.	Description		
REMARK	S (Also ex	plain any F	Follow-Up	ohase checklis	t item from abov	re that was answered "NO").	Manuf. Rep on site	e, etc.		
	e Activity	Description	on							
N	0.									
				his report is co						
				and work perf	ormed during th	is	1	-116	ania	
					oted in this repor	t.	pari	id J. Ro		3-Apr-13
							AUTHO	ORIZED QC MANA	GER AT SITE	DATE
OHALES (000000000					ANCE REPORT				
	e Activity			KEWAKKS AND	VOK EXCEPTION	S TO THE REPORT				
N	0.	Description	UI I							
					•					
							GOVERNMENT C	UALITY ASSURANC	E MANAGER	DATE
COMBIN	NED FOR	M 01450)-1 (9/98)						T 1 OF 1	

			CON	TRACT	OR Q	JALITY CO	NTROL	REPORT	DATE	4-Apr-13
				(ATTA	CH ADDITIO	NAL SHEETS IF NECE	SSARY)		REPORT#	167
PHASE	CONTRA			N40085-12-C-		CONTRACT TITLE			ce dredging, Norfoll	r, Virgina
>				WORK PERFO			YES		NO 🗸	
OR,	,					ATORY PHASE CHECKLIS				
PREPARATORY	Schedule	e Activity o.	DEFINAE	BLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
λAR										
REF										
۵										
	WAS INIT	TAL PHAS	SE WORK F	PERFORMED TO	DDAY?		YES		NO 🗸	<u> </u>
			AND ATTAC	CH SUPPLEMEN	ITAL INITIAL F	HASE CHECKLIST				_
٩L	Schedule N	e Activity o.	DEFINAE	BLE FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL P	RESENT		Index #
INITIAL										
_ ≤										
	WORK CO	OMPLIES	WITH CON	ITRACT AS APE	PROVED DUR	NG INITIAL PHASE?	YES		NO 🗌	
				ETY REQUIREM			YES		NO 🗌	
	Schedule	e Activity				ed & by whom, definable				
	17	o. '00				and list of personnel pre rt cove used the Hy		o to monitor t	ho oversited	
۵	17	00				22 yards of materia		e to monitor t	ne excavieu	
^-										
FOLLOW-UP										
Ö										
ш.										
REWORK	(ITEMS ID	DENTIFIE	D TODAY (N	NOT CORRECTI	ED BY CLOSE	OF BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedul	e Activity	Description				,	Schedule Activity	Description	·	
N	0.						No.	'		
	S (Also ex e Activity			hase checklist ite	em from above	that was answered "NO").	Manuf. Rep on site	e, etc.		
N	,	Description	on							
				nis report is comp and work perforr						
reporting	period is in	complian	nce with the	contract drawing	s and		Bank	id J. R	antio	
specificat	ions to the	best of my	y knowledge	e except as noted	d in this report.		0.00			4-Apr-13
			COVEDNI	MENT OLIALI	TV AQQLIDA	NCE REPORT	AUTHO	JRIZED QC MA	NAGER AT SITE	DATE
QUALITY A	ASSURANCE			REMARKS AND/O						
Schedul	e Activity	Description								
N	10.									
	-		·							
							GOVERNMENT C	UALITY ASSURA	NCE MANAGER	DATE
COMBIN	NED FOR	M 01450	0-1 (9/98)					SHI	ET 1 OF 1	

			CONT	RACT	OR Q	JALITY CO	NTROL	REPORT	DATE	9-Apr-13	
	_			(ATTAC	CH ADDITIOI	NAL SHEETS IF NECE			REPORT#	172	
PHASE	CONTRA			40085-12-C-		CONTRACT TITLE			dredging, Norfolk,	Virgina	
					RMED TODAY		YES		NO 🗸		
S.						ATORY PHASE CHECKLI				I	
PREPARATORY	Schedule	e Activity o.	DEFINABL	E FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL PI	RESENT		Index #	
ΑŘ											
ÆF											
4											
	WAS INIT	TAL PHAS	I SE WORK PE	RFORMED TO	DDAY?		YES		NO 🗸		
	_					HASE CHECKLIST	0				
پـ		e Activity	DEFINABL	E FEATURE	OF WORK,	LOCATION AND LIST	PERSONNEL PI	RESENT		Index #	
NITIAL	No.										
Z											
						NG INITIAL PHASE?	YES		NO L		
				TY REQUIREM		ad 0 by whom defined	YES] ✓ [NO		
	Schedule N	e Activity o.				ed & by whom, definable and list of personnel properties.					
		00	Excavati	ng in cell 1	7 & 18 at	Desert cove used t	he Hypack so	ftware to monito	or the excavted		
P			material.	Excavate	d about 92	22 yards of materia	l.				
≽											
FOLLOW-UP											
Б											
		DENTIFIE	O TODAY (NO	OT CORRECTE	ED BY CLOSE	OF BUSINESS)		RRECTED TODAY (FROM	M REWORK ITEMS LIST)		
	le Activity lo.	Description	on				Schedule Activity No.	Description			
DEMARK	(0 (4)			1 18 69	, ,		M (D ;				
	le Activity			ase checklist ite	em from above	that was answered "NO").	Manur. Rep on site	, etc.			
	lo.	Description	on								
				report is comp nd work perform	olete and ned during this						
reporting	period is in	complian	ce with the co	ontract drawing	s and		Door	d J. Ra	THO		
specificat	tions to the	best of my	y knowledge e	except as noted	d in this report.		0.4			9-Apr-13	
			COVERNI 4		LA VOOLIDA	ICE BEDORT	AUTHO	ORIZED QC MANAC	SER AT SITE	DATE	
OUALITY A	ASSURANCI					NCE REPORT TO THE REPORT					
	le Activity	Description			110110						
N	lo.	2 000 ipile									
							GOVERNMENT O	UALITY ASSURANCE	MANAGER	DATE	
COMBI	NED FOR	M 01450)-1 (9/98)					SHEET			

			CONT	RACTO	R QU	ALITY CC	NTROL	REPORT	DATE	10-Apr-13
	_			(ATTACH A	ADDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	173
	CONTRA			085-12-C-700		CONTRACT TITL			redging, Norfolk,	Virgina
			RY PHASE WO			ORY PHASE CHECKL	YES		NO 🗸	
OR	Schedule							DECENIT		
PREPARATORY	N		DEFINABLE	FEATURE OF	· WORK, LO	OCATION AND LIS	PERSONNEL P	RESENI		Index #
PAF										
RE										
4										
			SE WORK PERF				YES		NO 🗸	
		ILL OUT A e Activity				ASE CHECKLIST				
INITIAL	N		DEFINABLE	FEATURE OF	WORK, LO	OCATION AND LIS	PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
			WITH SAFETY			0 10 0 0 10 0 0 10 10 10 10 10 10 10 10	YES		NO	
	Schedule N					& by whom, definated list of personnel p				
		00	Excavating	in cell 18 a	at Desert	cove used the F	ypack softwar	e to monitor the e	excavted	
٠ÜP			material. E	xcavated al	bout 108	5 yards of mate	ial.			
V										
FOLLOW-UP										
F										
DEWORK	TEMO I		TODAY (NOT	CODDECTED D	V CL OSE O	- DI ICINITCO)	DEWORK ITEMS OF	PRRECTED TODAY (FROM	L DE WORK ITEMO LIOT	
	e Activity	Description		CORRECTED B	OF CLOSE OF	- BUSINESS)	Schedule Activity	Description	TREWORK ITEMS LIST)	
N	0.	Descriptio	л I				No.	Description		
	•	plain any F	Follow-Up phase	checklist item fr	rom above the	at was answered "NO"	. Manuf. Rep on site	e, etc.		
Schedule N		Description	on							
			ertify that this re aterial used and	•						
			ce with the contr				Dagn	id J. Ra	vio	10 Apr 12
specificati	ons to the	best of my	y knowledge exc	epi as noted in t	nis report.		0.4	ORIZED QC MANAG		10-Apr-13 DATE
			GOVERNMEN	IT QUALITY A	SSURANC	E REPORT	AUTH	SINELD QU MANAG	LICAT OHL	DAIL
QUALITY A	SSURANCE		ENTATIVE'S REMA							
Schedule N		Description	on							
					_					
COMBIN	IED FOR	M 01450)-1 (9/98)				GOVERNMENT C	UALITY ASSURANCE I SHEET		DATE
	יבטו טע		1 (0/30)					SHEET	. 🗸 .	

			CONTRA	ACTOR	QUALITY CO	NTROL	REPORT	DATE	11-Apr-13
				(ATTACH ADD	ITIONAL SHEETS IF NECE	ESSARY)		REPORT#	174
PHASE	CONTRA			5-12-C-7004	CONTRACT TITLE	•	reek maintence dr		Virgina
>			RY PHASE WORK			YES		NO 🗸	
ÖR	· ·	e Activity			EPARATORY PHASE CHECKL		DE051/IT		
PREPARATORY	N		DEFINABLE FE	ATURE OF WO	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
, RE									
4									
			E WORK PERFOR			YES		NO 🗸	
		ILL OUT A e Activity			TAL PHASE CHECKLIST				
INITIAL	N		DEFINABLE FE	ATURE OF WO	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
					DURING INITIAL PHASE?	YES		NO _	
			WITH SAFETY RE		formed 8 by whom defined	YES	√ ·	NO L	
	Schedule	,			formed & by whom, definab ation and list of personnel pr				
	17	00			esert cove used the H		e to monitor the ex	xcavted	
J-			material. Exc	avated abou	t 241 yards of materia	al			
ò									
-OLLOW-UP									
Щ									
REWORK	I (ITEMS ID	DENTIFIED	TODAY (NOT CO	RRECTED BY CI	LOSE OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM R	REWORK ITEMS LIST)	
Schedul	e Activity	Description	•			Schedule Activity	Description		
N	0.					No.			
	S (Also ex ex Activity			ecklist item from a	above that was answered "NO").	Manuf. Rep on site	e, etc.		
N		Description	n						
On hahalf	f of the com	trootor I o	autifu that this years	ia aamanlata and					
			ertify that this repor terial used and wor	•	g this				
			ce with the contract / knowledge except		eport.	Darri	id J. Por	Vio Oil	11-Apr-13
ľ		ĺ					ORIZED QC MANAGE		DATE
		(GOVERNMENT	QUALITY ASS	URANCE REPORT				
		E REPRESE	NTATIVE'S REMARK	S AND/OR EXCEPT	IONS TO THE REPORT				
Schedul N	e Activity lo.	Description	n						
						GOVERNMENT C	QUALITY ASSURANCE M	ANAGER	DATE
0014511	JED FOR	M 01450	-1 (9/98)			JOVENNIVIENT G	SHEET 1		DATE

			CONTR	ACTOR	QUALITY CO	NTROL	REPORT	DATE	24-Apr-13
	_			(ATTACH ADI	DITIONAL SHEETS IF NEC	ESSARY)		REPORT#	187
	CONTRA			85-12-C-7004	CONTRACT TITL		reek maintence dr		Virgina
				K PERFORMED 1		YES		NO 🗸	
OR	Schedule	A 11 11			EPARATORY PHASE CHECKI		DE051/IT		
₹AT	N		DEFINABLE F	EATURE OF W	ORK, LOCATION AND LIS	I PERSONNEL P	RESENT		Index #
PREPARATORY									
RE									
4									
			E WORK PERFO			YES		NO 🗸	
_		A .1 11			TIAL PHASE CHECKLIST				I
INITIAL	N		DEFINABLE F	EATURE OF W	ORK, LOCATION AND LIS	T PERSONNEL P	RESENT		Index #
Z									
					DURING INITIAL PHASE?	YES		NO 🗌	
		1		EQUIREMENTS?	rformed & by whom, definal	YES	√ _	NO	
	Schedule No				ation and list of personnel p				
					nonitored our progress	by using hypa	ck bucket files.		
-UF			placed 440	yards.					
Ŏ.									
FOLLOW-UP									
Ĺ									
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	ORRECTED BY C	CLOSE OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM R	REWORK ITEMS LIST)	
Schedule N	e Activity	Descriptio	n			Schedule Activity No.	Description		
IN	0.					NO.			
DEMARK	C (Alee ev	nlain any F	Tallaw I la abasa s	shooldigt itams from	above that was answered "NO"	Manuf Dan an aite			
	e Activity	Descriptio		necklist item from	above that was answered "NO"	i. Manur. Rep on site	e, etc.		
N	0.	Descriptio	л						
On behalf	of the con	tractor. I o	ertify that this ren	ort is complete and	<u> </u>				
				ork performed duri	ng this	0	-110	w. A. Calo	
			ce with the contra	pt as noted in this	report.	pari	id J. Nar	100	24-Apr-13
						AUTHO	ORIZED QC MANAGE	R AT SITE	DATE
				-	SURANCE REPORT				
	SSURANCE e Activity			RKS AND/OR EXCEP	TIONS TO THE REPORT				
N		Descriptio	on						
						GOVERNMENT C	QUALITY ASSURANCE MA	ANAGER	DATE
COMBIN	IED FOR	M 01450	-1 (9/98)				SHEET 1		

			CONTR	RACTOF	R QUA	ALITY CO	NTROL	REPORT	DATE	25-Apr-13
	_			(ATTACH AE	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	188
	CONTRA			085-12-C-7004		CONTRACT TITL			e dredging, Norfolk	, Virgina
				RK PERFORMED			YES		NO 🗸	
OR	Schedule					ORY PHASE CHECKI				
PREPARATORY	N		DEFINABLE F	-EATURE OF V	WORK, LC	DCATION AND LIS	I PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
				ORMED TODAY?			YES		NO 🗸	
_		ILL OUT A e Activity		IPPLEMENTAL IN						<u> </u>
INITIAL	N		DEFINABLE F	EATURE OF V	WORK, LC	DCATION AND LIS	F PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
				REQUIREMENTS		9 hy whom defined	YES	✓	NO	
	Schedule Activity No. Description of work, testing performed & by whom, definable feature of work, specification section, location and list of personnel present									
	Placed sand in cell 17, 18 monitored our progress by using hypack bucket files.									
-UP			placed 595	yards.						
ο										
FOLLOW-UP										
Ä										
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	CORRECTED BY	CLOSE OF	BUSINESS)	REWORK ITEMS CO	ORRECTED TODAY (F	ROM REWORK ITEMS LIST)	
Schedule	e Activity	Description					Schedule Activity	Description		
N	0.						No.	1		
	S (Also explored in the State of the State of St			checklist item from	m above tha	at was answered "NO"	. Manuf. Rep on site	e, etc.		
N		Description	on							
On bobalf	of the con	tractor Lo	ortify that this ran	ort is complete a	nd					
correct an	ıd equipme	ent and ma	aterial used and w	vork performed du					COLUMN TO THE REAL PROPERTY.	
			ce with the contra y knowledge exce	act drawings and ept as noted in this	s report.		Mari	id 1. R	avio	25-Apr-13
		-	-		·			ORIZED QC MAN		DATE
		(GOVERNMEN	T QUALITY AS	SSURANC	E REPORT				
	SSURANCE e Activity	E REPRESE	ENTATIVE'S REMAI	RKS AND/OR EXCE	EPTIONS TO	THE REPORT				
N		Description	on							
					_		GOVERNMENT	QUALITY ASSURAN	CE MANAGER	DATE
COMBIN	IED FOR	M 01450)-1 (9/98)						ET 1 OF 1	2

			CONTR	RACTOF	R QUA	ALITY CC	NTROL	REPORT	DATE	26-Apr-13
	_			(ATTACH AE	DDITIONA	L SHEETS IF NEC	ESSARY)		REPORT#	189
	CONTRA			085-12-C-7004		CONTRACT TITLE			dredging, Norfolk,	Virgina
				RK PERFORMED			YES		NO 🗸	
OR	Schedule					ORY PHASE CHECKL				
PREPARATORY	N		DEFINABLE I	-EATURE OF V	WORK, LC	CATION AND LIS	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
				ORMED TODAY?			YES		NO 🗸	
_		ILL OUT A e Activity		JPPLEMENTAL IN						I
INITIAL	N		DEFINABLE I	-EATURE OF V	WORK, LC	CATION AND LIST	PERSONNEL P	RESENT		Index #
Z										
						INITIAL PHASE?	YES		NO 🗌	
				REQUIREMENTS		& by whom, definal	YES	✓ _	NO	
	Schedule Activity No. Description of work, testing performed & by whom, definable feature of work, specification section, location and list of personnel present									
	Placed sand in cell 18, 19 monitored our progress by using hypack bucket files.									
-UF			placed 476	yards.						
FOLLOW-UP										
OLL										
Ĺ										
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT (CORRECTED BY	CLOSE OF	BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM	M REWORK ITEMS LIST)	
Schedule N	e Activity	Description	on				Schedule Activity No.	Description		
IN	0.						NO.			
DEMARK	S (Aloo ov	nlain any E	Follow Lin phago	abaaklist itam fran	m above the	at was answered "NO"	Manuf Ban an aita	l oto		
	e Activity	Description		CHECKIIST ITEM ITO	iii above tila	at was answered "NO")	. Mariur. Rep on site	e, etc.		
N	0.	Descriptio	лı 							
On behalf	of the con	tractor, I c	ertify that this rep	oort is complete ar	nd					
				vork performed du act drawings and	uring this		0	-110	- 11-	
				ept as noted in this	s report.		pari	id J. Ra		26-Apr-13
							AUTHO	ORIZED QC MANAG	GER AT SITE	DATE
	CCLIDANO			T QUALITY AS						
	e Activity	Description		INTO AND/OR EXCE	LI TIONS IU	IIIL ILFORT				
N	0.	2000 ipilo	···							
							GOVERNMENT C	QUALITY ASSURANCE		DATE
COMBIN	IED FOR	M 01450)-1 (9/ <u>98)</u>					SHEET	1 OF 1	

			CONTR	ACTOR	QUALITY CO	NTROL	REPORT	DATE	29-Apr-13
	_			(ATTACH ADD	TIONAL SHEETS IF NECE	SSARY)		REPORT#	192
	CONTRA			35-12-C-7004	CONTRACT TITLE		reek maintence dre		Virgina
				(PERFORMED TO		YES	L N	IO []	
OR	Schedule	A (' ')			PARATORY PHASE CHECKLI		DE051/T		
PREPARATORY	N		DEFINABLE FE	ATURE OF WC	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
'nE									
4									
	_		E WORK PERFO			YES	N	IO 🗸	
_		A .1 11			IAL PHASE CHECKLIST				
INITIAL	N		DEFINABLE FE	EATURE OF WC	PRK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
Z									
					DURING INITIAL PHASE?	YES		10	
			WITH SAFETY RE		ormed & by whom, definable	YES	✓ N	10	
	Schedule Activity No. Description of work, testing performed & by whom, definable feature of work, specification section, location and list of personnel present								
	Placed sand in cell 19 and 20 monitored our progress by using hypack bucket files.								
'-UP			placed 168 y	ards.					
FOLLOW-UP									
OLL									
Ĭ									
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT CO	ORRECTED BY CL	OSE OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM RE	WORK ITEMS LIST)	
	e Activity	Descriptio	n		·	Schedule Activity	Description		
N	0.					No.			
5514516	0 (4)			10.45					
	S (Also ex e Activity			necklist item from a	bove that was answered "NO").	Manuf. Rep on site	e, etc.		
N		Descriptio	n						
On behalf	of the con	tractor Lo	ertify that this repo	rt is complete and					
correct an	ıd equipme	ent and ma	terial used and wo	rk performed durin	g this	0	1 1 0	4-0	
			ce with the contract knowledge except	t drawings and t as noted in this re	port.	pari	id J. Par	40	29-Apr-13
						0.4	ORIZED QC MANAGER		DATE
				-	JRANCE REPORT				
	SSURANCE e Activity			(S AND/OR EXCEPT	ONS TO THE REPORT				
N		Descriptio	n						
						GOVERNMENT Q	QUALITY ASSURANCE MAI	NAGER	DATE
COMBIN	IED FOR	M 01450	-1 (9/98)				SHEET 1 C		

			CONTR	ACTOR	QUALITY CO	NTROL	REPORT	DATE	30-Apr-13
	_			(ATTACH ADD	ITIONAL SHEETS IF NECE	ESSARY)		REPORT#	193
PHASE	CONTRA			35-12-C-7004	CONTRACT TITLE		reek maintence d		Virgina
>				C PERFORMED TO		YES		NO 🗸	
OR.	Schedule	A .: :.			EPARATORY PHASE CHECKLI		DE051/T		1
PREPARATORY	N		DEFINABLE FI	EATURE OF WO	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
PAF									
, RE									
4									
			E WORK PERFO			YES		NO 🗸	
		A .1 11			TAL PHASE CHECKLIST				1
INITIAL	N		DEFINABLE FI	EATURE OF WO	ORK, LOCATION AND LIST	PERSONNEL P	RESENT		Index #
		_			DURING INITIAL PHASE?	YES		NO 🗌	
		1	WITH SAFETY RI		farmer and 0 have all after the	YES	_ ✓	NO	
	Schedule No				formed & by whom, definab ation and list of personnel pr				
	Placed sand in cell 18,19 and 20 monitored our progress by using hypack bucket files.								
J-			placed 737y	ards.					
ò									
FOLLOW-UP									
Щ									
REWORK	(ITEMS ID	ENTIFIED	TODAY (NOT C	ORRECTED BY CI	LOSE OF BUSINESS)	REWORK ITEMS CO	DRRECTED TODAY (FROM	REWORK ITEMS LIST)	
Schedul	e Activity	Descriptio	•			Schedule Activity	Description		
N	0.					No.			
	S (Also explored Activity		• • •	necklist item from a	above that was answered "NO").	Manuf. Rep on site	e, etc.		
N		Descriptio	on						
On bobalf	of the con	tractor Lo	artify that this rope	rt is complete and					
correct an	ıd equipme	ent and ma	iterial used and wo	rk performed durin	g this	-			
			ce with the contract knowledge excep	t drawings and t as noted in this re	eport.	Narvi	id J. Ra	vio	30-Apr-13
							DRIZED QC MANAGI		DATE
		(GOVERNMENT	QUALITY ASS	URANCE REPORT				
	SSURANCE e Activity	REPRESE	ENTATIVE'S REMAR	KS AND/OR EXCEPT	IONS TO THE REPORT				
N		Descriptio	on						
						GOVERNMENT	QUALITY ASSURANCE N	MANAGER	DATE
COMBIN	NED FOR	M 01450	1-1 (9/98)			3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	SHEET		2,

			CONTR	RACTOF	ROUA!	LITY CC	NTROL	REPORT	DATE	1-May-13
	_			(ATTACH AE	DITIONAL S	HEETS IF NEC	ESSARY)		REPORT#	194
PHASE		ACT NO.)85-12-C-7004		ONTRACT TITLE			e dredging, Norfolk	, Virgina
>			RY PHASE WOF			/ DUA OF OUTOK	YES		NO 🗸	
O.R.		e Activity				PHASE CHECKL				T
PREPARATORY		0.	DEFINABLE F	EATURE OF V	NORK, LOCA	ATION AND LIST	PERSONNEL P	RESENT		Index #
PAF										
RE										
4										
			SE WORK PERFO				YES		NO 🗸	
		ILL OUT A e Activity	AND ATTACH SU							1
INITIAL	N		DEFINABLE F	EATURE OF V	NORK, LOCA	ATION AND LIST	PERSONNEL P	RESENT		Index #
	-									
		-	WITH CONTRAC			TIAL PHASE?	YES		NO 🗌	
			WITH SAFETY F				YES	√	NO	
	Schedule	e Activity o.				y whom, definab at of personnel p				
			Retreived 1	3 core samp	oles today	and hypack to	located area'	s to be sampl	ed.	
J-										
ò										
FOLLOW-UP										
Щ	-									
REWORI	I K ITEMS ID	DENTIFIE	TODAY (NOT C	ORRECTED BY	CLOSE OF BL	JSINESS)	REWORK ITEMS CO	RRECTED TODAY (F	FROM REWORK ITEMS LIST)	
Schedul	le Activity	Description					Schedule Activity	Description		
N	√ 0.						No.	,		
	(S (Also ex le Activity	Ì		checklist item fror	n above that wa	as answered "NO")	Manuf. Rep on site	, etc.		
	No.	Description	on							
On hohal	f of the com	trootor La	ertify that this rep	ort in complete or						
		,	aterial used and w							
			ce with the contra y knowledge exce		s report.		Darre	d J. R	ario	1-May-13
ľ		•	, 0	•	·			ORIZED QC MAN		DATE
		(GOVERNMEN	T QUALITY AS	SURANCE F	REPORT				
		E DEDDESI	ENTATIVE'S REMAR	RKS AND/OR EXCE	PTIONS TO THE	REPORT			·	
		LINLFINLOL		THE PRINCIPAL EXCE	THONG TO THE	INEI OILI				
Schedul	ASSURANCI le Activity lo.	Description	on	WIG THE FOR EXCE	THORE TO THE					
Schedul	le Activity		on	THE PRINCIPLE OF THE PR	THONG TO THE	THE ON				
Schedul	le Activity		on	THE PROPERTY OF THE PROPERTY O	THONG TO THE	. ALF GAT				
Schedul	le Activity		on	THE PARTS OF EACH						
Schedul	le Activity		on	WO MID ON EXCE						
Schedul	le Activity		on	WIG PAUL ON EXCE			COVEDNMENT	UALITY ASSURAN	JICE MANACED	DATE





(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/18/2013

REVISION NO: 1

REVISION DATE: 02/19/2013

REPORT NO: 1

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA							
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Dredging SV	OJECT DESCRIPTION: Dredging SWMU 3					
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #15 partial; #16 all						
ONSITE SUPPORT: Jeremy Scott		START T	TIME/ END TIME:	06:25 / 16:07			
AM WEATHER: cold. clear ~30°F	PM WEATHER: cool, clear ~45°F		WIND DIRECTION: N (< 5 t	nph)			

WORK FORCE (includes subcontractors and visitors)

Name/Company	Total Hours Today
Jeremy Scott/CH2M HILL – QA Manager	10
David Davis/McLean Contracting – QC Manager	10
Weldon Diggs/McLean Contracting – Site Superintendent	10
Henry Thrul Jr./McLean Contracting - Operator	10
Gerald Wilson/McClean Contracting – Deckhand	10
Patrick Brown/McLean Contracting – Deckhand	10
Tim Scott/McLean Contracting – Deckhand	10

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 16 cy dredge			

FIELD OBSERVATIONS:

- 0625 J. Scott at dock waiting on dredge crew
- 0655 McLean Contracting dredge crew arrive and set up
- $0725-Unfreezing\ crane-heavy\ rains\ and\ freezing\ temperatures\ froze\ cable\ drums\ and\ brake$
- $0819-Dredge\ barge\ departs\ docks\ using\ workboat\ WB-39\ (tending\ vessel)$
- 0840 Arrive and set up (spudded down) at Cell #16 workboat departs to retrieve scow
- 0908 Scow SC-136 arrives and successfully moored to dredge barge on starboard side runner-boat departs to retrieve turbidity curtain and oil boom
- 0920 Crane setting anchors for booms
- 0924 Turbidity curtain and boom being fixed to anchor balls
- $0948-Dredge\ bucket\ rigged\ onto\ crane$
- 0952 Dredging commences on Cell #16 material is black and dark gray soft muck/mud with heavy sulfur odor and very little (if any) sand
- 1000 D. Davis takes ½ of a 5-gallon bucket of sediment for sample for Bay Environmental
- 1013 D. Davis departs dredge barge to take sediment sample to dock and Bay Environmental
- 1040 No sheens or films observed; generally very low turbidity inside curtain
- $1051-Dredging\ stopped-repositioning\ booms$
- 1103 Dredging resumes in Cell #16
- 1216 D. Davis returns to dredge barge
- 1229 Dredging stopped to move dredge barge ahead (crew has to unhook dredge bucket to reposition anchors and pull spuds up, then rehook after completing move)
- 1230 Current dredge total = approx. 389 cy of sediment in scow
- 1252 Anchors and spuds up moving dredge barge
- 1303 Dredge barge in position and setup again repositioning anchors and booms
- 1315 Reattaching dredge bucket
- 1323 Dredging resumes in Cell #16
- 1345 Updated C. Landin by e-mail (dredge bucket dimensions 16'x14.5'; cell dredge order is cell#16,15,10, and 7)
- 1405 Scow SC-136 drafting 6.5'
- $1439-D redging\ stopped-complete\ with\ Cell\ \#16\ (approx.\ 891\ cy\ of\ sediment\ dredged\ from\ Cell\ \#16)$
- 1501 Dredging begins in Cell #15 to top off scow
- 1514 Dredging stopped scow full drafting 7.5 ft (approx. 937 cy of sediment in scow [~46 cy from Cell #15 and ~891 cy from Cell #16]); deckhands cleaning scow-shoveling bulk sediment into scwon and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; deckhands removing booms and staging alongside dredge barge
- 1528 Unhooking dredge bucket from crane and staging dredge barge to remain in place overnight
- 1601 Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock
- 1607 J. Scott back at dock end of day

DATA REVIEW: N/A							
CHANGED CON	DITIONS/DELA	Y/CONFLICTS ENCOUNT	ERED:				
None	- FINA						
DISCUSSION NO None	TES:						
ACTION ITEMS/	FOLLOW UP:						
Review that scow S	C-136 was proper	ly manifested and delivered to	processing facili	ty			
			HEALTH AND	SAFETY REPORT			
Was A Job Safety M	Meeting Held This	Date?				⊠ Yes	☐ No
Were there any lost	-time accidents th	is date? (If Yes, attach copy o	f completed OSH	A report)		☐ Yes	⊠ No
Was a Confined Sp	ace Entry Permit A	Administered This Date? (If Y	es, attach copy of	f each permit)		☐ Yes	No
		ld/HV Elec/High Work/Hazma				Xes (b)	y 🗌 No
		showing inspection performed		*		McLean)	
Was Hazardous Ma	iterial/Waste Relea	ased into the Environment? (If	Yes, attach descr	aption of incident and propose	ed action)	☐ Yes	⊠ No
		AY (Include Observations of a	•			*	
J. Scott waited to go	et on scow to take	pictures until after scow was p	partially loaded ar	nd easily accessed from dredge	e barge without cli	imbing (SBO compl	eted)
			FUTURE	WORK			
Planned Work for this week:							
Dredge in Cel	ll #s 15, 10, 7						
Planned Work for Next Week:							
Continue dredging	in SWMU 3						
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	VMU 3)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	N AND DISPOSAL			
Transportation and	Disposal Activites	/Summary Quantitites:					
None observed							
			ATTACH	IMENTS			
List of Attachments	s: (examples, as a	pplicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, weig	ght tickets, manife	sts, profiles, rework	item list, etc.):
None							
On behalf of CH2M				\circ			
		correct and equipment and		ger for	-		
		ring this reporting period is ngs and specifications		D' 1 100		2/	18/2013
except as noted in t		Ø 2 of		PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

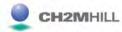
LOG DATE: 02/18/2013

REPORT NO: 1

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	16 cy dredge barge	2/18/13	01
2	16 cy dredge barge with dewatering flaps	2/18/13	02
3	16 cy dredge barge with dewatering flaps (lifted to show vent)	2/18/13	03
4	16 cy dredge barge showing overlapping sides	2/18/13	04
5	16 cy dredge barge – stamped info	2/18/13	05
6	Deploying boom anchor (SWMU 3; Cell #16)	2/18/13	06
7	Runner-boat pulling turbidity curtain and oil boom (SWMU 3; Cell #16)	2/18/13	07
8	Runner-boat pulling turbidity curtain and oil boom (SWMU 3; Cell #16)	2/18/13	08
9	Deploying boom anchor; booms in background (SWMU 3; Cell #16)	2/18/13	09
10	Deployed turbidity curtain and oil boom bound by anchor balls (SWMU 3; Cell #16)	2/18/13	10
11	Deployed turbidity curtain and oil boom tied to dredge barge (SWMU 3; Cell #16)	2/18/13	11
12	Hooking up dredge bucket to crane (SWMU 3; Cell #16)	2/18/13	12
13	Hooking up dredge bucket to crane (SWMU 3; Cell #16)	2/18/13	13
14	Lifting full dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	14
15	Lifting full dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	15
16	Sediment close-up for sampling (SWMU 3; Cell #16)	2/18/13	16
17	Sediment close-up for sampling (SWMU 3; Cell #16)	2/18/13	17
18	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	18
19	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	19
20	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	20
21	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	21
22	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	22
23	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	23
24	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	24
25	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	25
26	Dredge bucket collecting sediment and loading into scow (SWMU 3; Cell #16)	2/18/13	26
27	Close up of dredge bucket under water surface (SWMU 3; Cell #16)	2/18/13	27
28	Dumping dredged sediment from dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	28
29	Scow partially filled (SWMU 3; Cell #16)	2/18/13	29
30	Dumping dredged sediment from dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	30
31	Dumping dredged sediment from dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	31
32	Dumping dredged sediment from dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	32
33	Dumping dredged sediment from dredge bucket into scow (SWMU 3; Cell #16)	2/18/13	33
34	Close up of dewatering using drainage flaps on dredge bucket (SWMU 3; Cell #16)	2/18/13	34
35	Deckhand washing down full scow (SWMU 3; Cells #15 and 16)	2/18/13	35
36	Scow filled (SWMU 3; Cells #15 and 16)	2/18/13	36



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/19/2013

REVISION NO: 0
REVISION DATE: N/A

	(ATTAC	CH ADDITIONAL SHEETS IF NECESSART)			REVISION DATE: N/A REPORT NO: 2	
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	Λ		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #15	s) Dredged: #15 all				
ONSITE SUPPORT: Jeremy Scott		START TIME/ END TIM			06:25 / 17:10	
AM WEATHER: cool, clear ~40°F	PM WEATHER: coo	ool, light rain ~40°F WIND DIRECTION: W (5-10 mph)			: W (5-10 mph)	
	WORK FO	RCE (includes subco	ontractors	and visitors)		
Name/Company	Total Hours Today					
Jeremy Scott/CH2M HILL – QA Manager	11					
David Davis/McLean Contracting – QC Ma	nager	11				
Weldon Diggs/McLean Contracting – Site S	uperintendent	11				
Henry Thrul Jr./McLean Contracting - Open	rator	11				
Gerald Wilson/McClean Contracting – Decl	khand	11				
Patrick Brown/McLean Contracting - Deck	hand	11				
Tim Scott/McLean Contracting – Deckhand		11				
	SUMMA	RY OF WORK PER	RFORME	D TODAY		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Eq	uipment ID Number	Calibration Performed By	
127 ton crane with 16 cy dredge						

FIELD OBSERVATIONS:

- 0625 J. Scott at dock waiting on dredge crew
- 0635 McLean Contracting dredge crew arrive and set up
- 0650 McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel)
- 0653 J. Scott and McLean crew onboard dredge barge getting started and setting up
- 0722 Moving anchors ahead in Cell #15
- 0731 Anchors moved; picking up spuds to move dredge barge
- 0737 Spuds up moving dredge barge
- 0749 Dredge barge successfully repositioned and spudded down in Cell #15
- 0754 Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-136 filled from previous day was moved overnight to processing facility)
- 0818 Scow SC-141 arrives and successfully moored to dredge barge on starboard side
- 0820 C. Landin called to advise after review of QA report from yesterday that dredge volume removed in Cell #16 was high (will need to check with D. Davis to see if McLean has updated information on dredge elevations)
- 0823 Runner-boat departs to retrieve turbidity curtain and oil boom
- 0834 Dredge bucket rigged onto crane
- 0840 After discussion with D. Davis it is apparent McLean is using older specs and have not received newer dredge elevations call made to C. Landin to follow-up
- 0856 Dredging begins in Cell #15 material is black and dark gray soft muck/mud with slight sulfur odor and very little (if any) sand
- 0900 Call from C. Landin to advise that Navy is working on dredge elevation issue; in the meantime McLean will continue dredging as planned
- 0919 Slight sheen observed contained within oil boom; generally very low turbidity inside curtain
- 0940 No sheens observed; scow SC-141 drafting 4.5'
- 0943 Dredging stopped new dredge elevation files being developed and delivered (C. Landin, B. Harris, and N. Price notified by J. Scott via e-mail)
- 1006 Unhooking dredge bucket from crane crew lifts runner boat onboard to patch small leak while waiting on McLean Contracting and D. Davis to merge files in HvPack
- 1020 Near miss occurs when crane operator H. Thrul bumps lever in cab while moving to let D. Davis work in HyPack second line free falls from crane because brake was not set and hook/chain/line crashes next to P. Brown working inside of runner boat Near-Miss Form filled out by McLean and brief discussion by crew on cause
- 1056 Downtime continues as D. Davis works on HyPack dredge files; crew continues patching runnerboat leak (exacerbated by near-miss incident)
- 1135 Runnerboat patched; dredge barge still standing-by working on HyPack dredge elevation prisms
- 1236 Runnerboat placed back in water patch holding
- 1239 Re-attaching dredge bucket to crane
- 1251 Dredging resumes in Cell #15
- 1315 Clouds develop as front begins to move in (radar indicates rain imminent as winds increase to 10-15 mph)
- 1328 Dredging stopped to move barge ahead (unhooking dredge bucket)
- 1335 Light rain begins
- 1338 Moving anchors ahead in Cell #15
- 1345 Anchors moved; picking up spuds to move dredge barge
- 1350 Spuds up moving dredge barge
- $1415-Dredge\ barge\ successfully\ repositioned\ and\ spudded\ down\ in\ Cell\ #15$
- 1419 Call from C. Landin to get an understanding of manifest procedure for completed scows will follow-up with D. Davis when possible
- 1424 Re-attaching dredge bucket to crane
- $1431-Light\ rain\ stops-intermittent\ drizzle$
- 1433 Dredging resumes in Cell #15
- 1450 J. Scott follows up with D. Davis on manifests McLean does prepare the manifests, but have an agreement with the tug company and processing facility to presign and complete them after they have been transported since pick-up happens around 2am; he indicated that all parties are satisfied with this agreement (Navy, McLean, tug company, and processing facility)
- 1520 Call made to C. Landin to update her on manifest procedures
- 1615 Dredging stopped complete with Cell #15 and scow SC-141 is full drafting 7.5 ft(approx. 866 cy of sediment dredged from Cell #15 [total from both days is 912 cy from Cell #15]); deckhands cleaning scow shoveling bulk sediment into scwon and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; deckhands removing booms and staging alongside dredge barge
- 1625 Unhooking dredge bucket from crane and staging dredge barge to remain in place overnight
- 1640 Crew preparing and putting final patch on runnerboat
- $1705-Dredge\ crew\ and\ J.$ Scott depart dredge barge by workboat WB-39 and return to dock
- 1710 J. Scott back at dock end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

None

DISCUSSION NOTES:

None

ACTION ITEMS/FOLLOW UP:

Review that scow SC-141 was properly manifested and delivered to processing facility

HEALTH AND SAFETY REPORT

Was A Job Safety M	Meeting Held This		⊠ Yes	☐ No						
Were there any lost	-time accidents thi	is date? (If Yes, attach copy of	f completed OSH	(A report)		Yes	⊠ No			
Was a Confined Sp.	ace Entry Permit A	Administered This Date? (If Y	es, attach copy of	f each permit)		Yes	⊠ No			
		ld/HV Elec/High Work/Hazma		(1 11 6 11 14	T	Yes (b)	y 🔲 No			
		showing inspection performed) ased into the Environment? (If	•			McLean)				
w as mazardous ivia	iteriai/ waste Refea	ised into the Environment? (II	res, attach descr	aption of incident and propose	ed action)	☐ Yes	⊠ No			
		AY (Include Observations of a		ions, Corrective Instructions C	Given, and Correct	ive Actions Taken):				
Near miss occurred on dredge barge; documented by McLean Contracting										
	FUTURE WORK									
Planned Work for the	his week:									
Dredge in Cel	Dredge in Cell #s 10, 7									
Planned Work for N	Planned Work for Next Week:									
Continue dredging in SWMU 3										
WASTE ACCUMULATION/STOCKPILE AREA										
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	⁷ MU 3)							
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0			
Notes:										
		TRA	NSPORTATIO	N AND DISPOSAL						
Transportation and	Disposal Activites	s/Summary Quantitites:								
None observed										
			ATTACH	IMENTS						
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	item list, etc.):			
None										
On behalf of CH2M		at to the best of my correct and equipment and		ger de						
material used and w	vork performed du	ring this reporting period is		AS A		2/	19/2013			
		ings and specifications		<i>V</i> -						
except as noted in the	ins report			PREPARER'S SIGNATURE			DATE			



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 02/19/2013

REPORT NO: 2

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Slight sheen on water – bound by oil boom (SWMU 3; Cell #15)	2/19/13	01
2	Dredging with runnerboat and oil boom/turbidity curtain in background (SWMU 3; Cell #15)	2/19/13	02
3	Deckhand shoveling sediment off scow apron (SWMU 3; Cell #15)	2/19/13	03



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/20/2013

REVISION NO: 0

	,	'H ADDITIONAL SHEE		REVISION DATE: N/A REPORT NO: 3		
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #10	all				
ONSITE SUPPORT: Jeremy Scott			START T	TIME/ END TIME:	06:15 / 16:03	
AM WEATHER: cool, clear ~40°F	PM WEATHER: coo	ol, clear ~45°F		WIND DIRECTION	I: SW (5-10 mph)	
	WORK FO	RCE (includes subc	ontractors	and visitors)		
Name/Company				Total Hours	Today	
Jeremy Scott/CH2M HILL – QA Manager		10				
David Davis/McLean Contracting – QC Mar	nager	10				
Weldon Diggs/McLean Contracting – Site S	uperintendent	10				
Henry Thrul Jr./McLean Contracting - Open	ator	10				
Gerald Wilson/McClean Contracting – Deck	thand	10				
Patrick Brown/McLean Contracting - Deckl	nand	10				
Tim Scott/McLean Contracting – Deckhand		10				
	SUMMA	RY OF WORK PEI	RFORMEI	TODAY		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Eq	uipment ID Number	Calibration Perform	ed By
127 ton crane with 16 cy dredge						
						-

FIELD OBSERVATIONS: 0615 - J. Scott at dock waiting on dredge crew 0639 - McLean Contracting dredge crew arrive and set up 0652 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0700 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0735 - Huddle-up safety meeting led by W. Diggs to discuss yesterday's near miss incident 0746 - Runnerboat placed in water - patch holding 0750 - Picking up anchors to move dredge barge to Cell #10 0809 - Picking up spuds to move dredge barge 0817 - Spuds up - moving dredge barge 0832 - Dredge barge successfully repositioned and spudded down in Cell #10; workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-141 filled from previous day was moved overnight to processing facility) 0857 - Scow SC-135 arrives and successfully moored to dredge barge on starboard side 0905 - Crew pumping out water in Scow SC-135 with 2 sump pumps (scow arrived with 2' bow list likely a result of the rain); turbidity curtain in place for pump-out 0910 - Re-deploying anchors 0922 - Arnchors set in place; crew stretching turbidity curtain and oil boom around anchor balls 0931 - Dredge bucket rigged onto crane 0951 – Scow de-watered successfully; sump pumps removed 1001 - Dredging begins in Cell #10 - material is black and dark gray soft muck/mud with slight sulfur odor and very little (if any) sand 1005 - D. Davis takes ½ of a 5-gallon bucket of sediment for sample for Bay Environmental 1019 - D. Davis departs dredge barge to take sediment sample to dock and Bay Environmental and get supplies for dredge barge 1025 – No sheens or films observed; generally very low turbidity inside curtain 1138 - Scow SC-135 drafting 4.25' 1229 - Scow SC-135 drafting 6.5' 1238 - Dredging stopped to move dredge barge ahead in Cell #10 (unhooking dredge bucket) 1248 - Moving anchors ahead in Cell #10 1256 – Anchors moved; picking up spuds to move dredge barge 1302 - Spuds up - moving dredge barge 1309 – Dredge barge successfully repositioned and spudded down in Cell #10 1318 – Re-attaching dredge bucket to crane 1330 – Dredging resumes in Cell #10 1334 - W. Diggs and T. Scott depart dredge barge by workboat WB-39 to pick up D. Davis and supplies 1358 - W. Diggs, T. Scott, and D. Davis back onboard 1433 - Scow SC-135 drafting 7.5' 1457 - Dredging stopped - complete with Cell #10 and scow SC-135 is full drafting 8 ft(approx. 951 cy of sediment dredged from Cell #10); deckhands cleaning scow - shoveling bulk sediment into scwon and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; deckhands removing booms and staging alongside dredge barge 1502 - W. Diggs and D. Davis depart dredge barge by workboat WB-39 to meet Navy clients at dock 1508 - W. Diggs and D. Davis return to dredge barge with Peter Fovargue and Bryan Peed/Navy 1520 - Unhooking dredge bucket from crane 1525 - P. Fovargue and B. Peed observing dredged material in scow, crane, dredge bucket, and HyPack set-up on computer in crane 1537 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1548 - Dredge crew, P. Fovargue, B. Peed, and J. Scott depart dredge barge by workboat WB-39 and return to dock 1553 - Dredge crew, P. Fovargue, B. Peed, and J. Scott back at dock; dredge crew departs 1603 - P. Fovargue, B. Peed, and J. Scott depart dock - end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-135 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ✓ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ⊠ No Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None

FUTURE WORK									
Planned Work for t	his week:								
Dredge in Ce	11 # 7								
Planned Work for I	Next Week:								
Continue dredging	in SWMU 3								
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA					
Accumulation / JEB Little Creek harbor (SWMU 3) Stockpile Area									
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
		TRA	ANSPORTATIO	N AND DISPOSAL					
Transportation and	Disposal Activite	s/Summary Quantitites:							
None observed									
			ATTACH	IMENTS					
List of Attachment None	s: (examples, as	applicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	sts, profiles, rework	item list, etc.):		
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 2/20/2013							20/2013		
except as noted in this report PREPARER'S SIGNATURE						DATE			



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

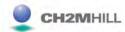
LOG DATE: 02/20/2013

REPORT NO: 3

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	De-watering with pumps prior to dredging (SWMU 3; Cell #10)	2/20/13	01
2	De-watering with pumps prior to dredging (SWMU 3; Cell #10)	2/20/13	02
3	Close-up of sump pump (SWMU 3; Cell #10)	2/20/13	03
4	Showing staging of turbidity curtain and oil boom (SWMU 3; Cell #10)	2/20/13	04
5	D. Davis taking sediment sample from dredge bucket (SWMU 3; Cell #10)	2/20/13	05
6	Close-up of sediment sample (SWMU 3; Cell #10)	2/20/13	06
7	Active dredging – bucket just below surface of water (SWMU 3; Cell #10)	2/20/13	07
8	Deploying anchors to hold turbidity curtain and oil boom (SWMU 3; Cell #10)	2/20/13	08
9	Scow #135 almost full of dredged sediment (SWMU 3; Cell #10)	2/20/13	09
10	Dredge bucket dumping sediment into Scow #135 (SWMU 3; Cell #10)	2/20/13	10
11	Dredge bucket dumping sediment into Scow #135 (SWMU 3; Cell #10)	2/20/13	11



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/21/2013

REVISION NO: 0
REVISION DATE: N/A

tle Creek SWMU 3 and PROJECT DESCRIP		Beach, VA	t	REPORT NO: 4
		Beach, VA		
PROJECT DESCRIP				
	TION: Dredging SW	VMU 3		
Cell(s) Dredged: #7 p	partial			
		START TI	IME/ END TIME:	06:31/ 18:38
PM WEATHER: col	ld, clear ~35°F		WIND DIRECTION:	NW (< 5 mph)
WORK FO	RCE (includes subco	ontractors a	and visitors)	
			Total Hours T	oday
Jeremy Scott/CH2M HILL – QA Manager				
nager	11			
Superintendent	11			
rator	11			
khand	11			
hand	11			
1	11		-	
SUMMA	RY OF WORK PEF	RFORMED	TODAY	
Make/N	Model/Manufacturer	Equ	ipment ID Number	Calibration Performed By
s	work fo	11	PM WEATHER: cold, clear ~35°F WORK FORCE (includes subcontractors a 11 anager 11 Superintendent 11 krator 11 khand 11 chand 11 d 11 SUMMARY OF WORK PERFORMED	PM WEATHER: cold, clear ~35°F WIND DIRECTION: WORK FORCE (includes subcontractors and visitors) Total Hours T 11 anager 11 Superintendent 11 khand 11 thand 11 SUMMARY OF WORK PERFORMED TODAY

0633 - McLean Contracting dredge crew arrive and set up 0653 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0658 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0728 - Crane froze up due to sub-freezing temperatures; crew thawing with heater 0753 - Crane unfrozen; runnerboat placed in water 0758 - Picking up anchors to move dredge barge to Cell #7 0814 – Anchors removed; picking up spuds to move dredge barge 0839 – Spuds up – moving dredge barge 0850 - Dredge barge successfully repositioned and spudded down in Cell #7; deckhands stretching out turbidity curtain and oil boom to opposite side of dredge barge 0907 – Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-135 filled from previous day was moved overnight to processing facility) 0940 - Scow SC-142 arrives and successfully moored to dredge barge on port side (NOTE: scow had to be placed on opposite side of dredge barge due to proximity to Marina docks); crew stretching turbidity curtain and oil boom around scow and dredge barge 1026 - Re-deploying anchors and setting turbidity curtain and oil boom 1041 - Dredge bucket rigged onto crane; D. Davis and H. Thrul in crane working on computer and HyPack 1103 - Dredging begins in Cell #7 - material is medium gray very soft muck/mud with no sand and slight sulfur odor with occasional woody debris and various marina dock trash (rope, cable, plastic sheathing, etc.); no sheens observed 1120 - Dredging stopped - GPS malfunctioning 1137 - P. Fovargue/Navy calls D. Davis to notify him that GPS reception on base is down due to a training exercise 1208 – Dredging resumes in Cell #7 1210 - Dredging stopped after 1 bucket collected - GPS malfunction (NOTE: crew staying busy during downtime by painting and doing various jobs on dredge barge) 1229 - Dredging resumes in Cell #7 1235 - Dredging stopped - GPS malfunction; GPS problem identified as bad fitting - D. Davis attempting to repair; follow-up call by D. Davis to P. Fovargue/Navy Indicated that what Base is doing should have no interference with crane's GPS problem - all related to hardware issue/connection on crane 1248 - Dredging resumes in Cell #7 1350 – Scow SC-142 drafting 5.5'; no sheens observed, turbidity staying within curtain 1433 – Dredging stopped to move dredge barge ahead in Cell #7 (unhooking dredge bucket) 1441 - Picking up anchors to move dredge barge ahead in Cell #7 1449 – Anchors removed; picking up spuds to move dredge barge 1458 – Spuds up – moving dredge barge 1514 - Dredge barge successfully repositioned and spudded down in Cell #7; re-attaching dredge bucket to crane 1522 - Dredging resumes in Cell #7 1553 - Scow SC-142 drafting 6.5'; slight sheen observed - contained within oil boom and turbidity curtain 1649 – Scow SC-142 drafting 7.5'; sheen continues – contained within oil boom and turbidity curtain 1726 - Dredging stopped - Scow SC-142 is full drafting 8 ft (approx. 930 cy of sediment dredged from Cell #7 - Cell #7 approx. 85% complete); deckhands cleaning scow - shoveling bulk sediment into scwon and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free 1735 - Unhooking dredge bucket from crane; deckhands removing booms and staging alongside dredge barge 1745 - Crew hooking workboat WB-39 up to Scow SC-142 to move out of marina dock area because it is blocking marina and pleasure craft vessels 1757 – Workboat WB-39 departs with Scow SC-142 to stage at docks 1814 – Scow SC-142 docked at 5th pier; crew staging dredge barge to remain in place over weekend 1823 - Crane picking up runner boat 1833 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1838 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No No

FIELD OBSERVATIONS:

0631 – J. Scott at dock waiting on dredge crew

SAFETY ACTIO	NS TAKEN T	ODAY (Include Observations of	any Safety Viola	tions, Corrective Instructions	Given, and Correc	tive Actions Taken)):
None							
			FUTUR	E WORK			
Planned Work for	this week:						
None – end	of week						
Planned Work for	Next Week:						
Continue dredging	g in SWMU 3						
		WASTE	ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / JEB Little Creek harbor (SWMU 3) Stockpile Area							
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	d Disposal Activ	vites/Summary Quantitites:					
None observed							
			ATTACI	HMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetin	g minutes, safety	meeting minutes,, COCs, we	ight tickets, manife	ests, profiles, rework	k item list, etc.):
None							
knowledge the rep	ort is complete	at that to the best of my		Oz So	_		
		d during this reporting period is rawings and specifications		D' 1 100		2.	/21/2013
except as noted in this report PREPARER'S SIGNATURE DATE							



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

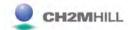
LOG DATE: 02/21/2013

REPORT NO: 4

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

		1	1
Picture #	Photo Description/Location	Date	Daily Log #
1	Thawing out frozen crane with heater (SWMU 3; Cell #7)	2/21/13	01
2	Landing Scow SC-142 to dredge barge (SWMU 3; Cell #7)	2/21/13	02
3	Dredging in Cell #7 near marina docks (SWMU 3; Cell #7)	2/21/13	03
4	Dredging in Cell #7 near marina docks showing turbidity plume from soft sediments (SWMU 3; Cell #7)	2/21/13	04
5	Dredging in Cell #7 near marina docks showing turbidity plume from soft sediments (SWMU 3; Cell #7)	2/21/13	05
6	Dredging in Cell #7 near marina docks showing turbidity plume from soft sediments (SWMU 3; Cell #7)	2/21/13	06
7	D. Davis working on GPS antenna (SWMU 3; Cell #7)	2/21/13	07
8	Dredging in Cell #7 near marina docks showing plastic/vinyl sheathing picked up in bucket (SWMU 3; Cell #7)	2/21/13	08
9	Close-up of computer with HyPack in operator's chair in crane (SWMU 3; Cell #7)	2/21/13	09
10	Dredging in Cell #7 from operator's vantage point (SWMU 3; Cell #7)	2/21/13	10
11	Close-up of operator's console in crane (SWMU 3; Cell #7)	2/21/13	11
12	Dredging in Cell #7 near marina docks (SWMU 3; Cell #7)	2/21/13	12
13	Marina dock area (SWMU 3; Cell #7)	2/21/13	13
14	Dredging in Cell #7 near marina docks showing dock trash (ropes, cable, plastic) picked up in bucket (SWMU 3; Cell #7)	2/21/13	14
15	Dredging in Cell #7 near marina docks showing dock trash (ropes, cable, plastic) picked up in bucket (SWMU 3; Cell #7)	2/21/13	15
16	Dredging in Cell #7 near marina docks showing dock trash (ropes, cable, plastic) picked up in bucket (SWMU 3; Cell #7)	2/21/13	16
17	Sheen observed during dredging – contained within oil boom and turbidity curtain (SWMU 3; Cell #7)	2/21/13	17
18	Sheen observed during dredging – contained within oil boom and turbidity curtain (SWMU 3; Cell #7)	2/21/13	18
19	Sheen observed during dredging – contained within oil boom and turbidity curtain (SWMU 3; Cell #7)	2/21/13	19
			1
<u></u>			
			1



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/26/2013

REVISION NO: 1

				RF	EVISION DATE: 02/27/2013
				RE	EPORT NO: 5
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia B	each, VA	<u> </u>	
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SWM	ЛU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #7 r	emainder; 4, #5, #6, #8 partial			
ONSITE SUPPORT: Jeremy Scott		:	START TIME	/ END TIME:	06:18/ 17:25
AM WEATHER: cool, overcast ~40°F	PM WEATHER: coo	ol, raining ~45°F	WI	ND DIRECTION: NE	E (5-10 mph)
	WORK FO	RCE (includes subcon	tractors and	visitors)	
Name/Company				Total Hours Tod	ay
Jeremy Scott/CH2M HILL – QA Manager	11				
David Davis/McLean Contracting – QC Man	nager	11			
Weldon Diggs/McLean Contracting – Site S	uperintendent	11			
Henry Thrul Jr./McLean Contracting - Oper	ator	11			
Gerald Wilson/McClean Contracting – Deck	thand	11			
Patrick Brown/McLean Contracting - Deckl	nand	11			
Tim Scott/McLean Contracting – Deckhand		11			
	SUMMA	RY OF WORK PERF	ORMED TO	DAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/N	/Iodel/Manufacturer	Equipmo	ent ID Number	Calibration Performed By
127 ton crane with 16 cy dredge					

FIELD OBSERVATIONS:

- 0618 J. Scott at dock waiting on dredge crew
- 0641 McLean Contracting dredge crew arrive and set up
- 0655 McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel)
- 0700 J. Scott and McLean crew onboard dredge barge getting started and setting up
- 0720 Runnerboat placed in water
- 0726 Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-142 filled from previous day [2/21/13] was moved to processing facility over weekend)
- 0750 Scow SC-136 arrives and successfully moored to dredge barge on port side (NOTE: scow had to be placed on port side of dredge barge due to proximity to marina docks); crew stretching turbidity curtain and oil boom around scow and dredge barge
- 0822 Picking up spuds to move dredge barge ahead in Cell #7
- 0830 Spuds up moving dredge barge
- 0835 Dredge barge successfully repositioned and spudded down in Cell #7
- 0838 Dredge bucket rigged onto crane
- 0847 Dredging begins in Cell #7
- 0850 P. Brown and W. Diggs collect sediment sample for waste characterization for Bay Environmental; material is medium gray, very soft muck/mud with no sand and slight sulfur odor; occasional wood debris and fair amount of various marina dock trash (rope, cable, plastic sheathing, etc.); no sheens observed
- 1010 Dredging stopped complete with Cell #7 (approx. 250 cy of sediment dredged from Cell #7 total for both days = 1,180 cy [250 cy + 930 cy]); Scow SC-136 drafting 4.5 ft
- 1026 Unhooking dredge bucket from crane
- 1046 Picking up spuds to move dredge barge ahead to Cell #'s 5 and 6 (NOTE: due to the angle created by proximity to marina docks and width of dredge barge and scow it will be necessary to dredge Cell #'s 5 and 6 simultaneously approx. dredge volumes will be estimated)
- 1048 Bow spud up shifting dredge barge ahead
- 1051 Bow spud down picking up stern spud
- 1054 Stern spud up picking up bow spud again to move dredge barge ahead
- 1056 Spuds up moving dredge barge
- 1102 Dredge barge successfully repositioned and spudded down in Cell #'s 5 and 6
- 1104 D. Davis reported that at previous location the operator collected 4 buckets (approx 64 cy) of material from Cell #8 where dry dock was
- 1105 Re-attaching dredge bucket to crane; runner boat stretching out turbidity curtain and oil boom
- 1109 Light rain begins (will continue throughout remainder of shift)
- 1112 D. Davis departs dredge barge to take sediment sample to Bay Environmental
- 1115 Dredging begins in Cell #'s 5 and 6
- 1229 Scow SC-136 drafting 6 ft; no sheens observed
- 1304 Workboat WB-39 departs with W. Diggs, G. Wilson, and T. Scott to assist tug Challenger bringing in scow to piers (NOTE: due to forecasted 20-30 mph winds tonight, tug company is bringing scow early and will stand-by to take Scow SC-136 as soon as it is full)
- 1351 Workboat WB-39 assisting tug Challenger staging Scow SC-141 at pier
- 1420 Dredging stopped jack line worn (line responsible for closing dredge bucket)and crew investigates; Scow SC-136 drafting 7 ft
- 1422 Workboat WB-39 returns to dredge barge and crew (including D. Davis) back onboard; tug Challenger standing-by at dock
- $1432-Cecilia\ Landin\ and\ Nate\ Price\ (CH2M\ HILL)\ observed\ on\ shoreline\ taking\ pictures$
- 1437 Dredging resumes in Cell #'s 5 and 6
- 1440 C. Landin and N. Price depart
- 1444 Dredging stopped to move dredge barge ahead in Cell #'s 5 and 6 and possibly parts of Cell #'s 3 and 4; operator H. Thrul reports that hard bottom (sand and concrete preventing him from dredging to full depths and making production slow significantly)
- 1446 Unhooking dredge bucket from crane
- 1453 Picking up spuds to move dredge barge ahead
- 1502 Spuds up moving dredge barge
- 1507 Dredge barge successfully repositioned and spudded down further ahead in Cell #'s 5 and 6
- 1510 Re-attaching dredge bucket to crane
- 1515 Dredging resumes in Cell #'s 5 and 6
- 1637 Dredging stopped Scow SC-136 is full drafting 8 ft (approx. 100 cy of sediment dredged from Cell #5, approx. 493 cy of sediment dredged from Cell #6, approx. 18 cy of sediment dredged from Cell #3, and approx. 30 cy of sediment dredged from Cell #4); deckhands cleaning scow shoveling bulksediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow
- 1647 Unhooking dredge bucket from crane; deckhands removing booms and staging alongside dredge barge
- 1655 Crew staging dredge barge to remain in place overnight; tug Challenger will remove Scow SC-136 from dredge barge later this evening
- 1708 Crane picking up runner boat
- 1717 Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock
- 1725 J. Scott back at dock end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

None

DISCUSSION NOTES:

None

ACTION ITEMS	/FOLLOW UP:											
Review that scow SC-136 was properly manifested and delivered to processing facility												
HEALTH AND SAFETY REPORT												
	Was A Job Safety Meeting Held This Date?											
		is date? (If Yes, attach copy				☐ Yes	⊠ No					
1		Administered This Date? (If	, 13	of each permit)		☐ Yes	⊠ No					
	Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by No											
· ·	(If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean)											
was Hazardous Mi	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)											
SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations o	f any Safety Viola	tions, Corrective Instructions	Given, and Correct	ive Actions Taken)						
None												
			FUTURI	E WORK								
Planned Work for	this week:											
Dredge in Ce	ell #'s 1, 2, 3, 4, 5,	6										
Planned Work for 1	Next Week:											
Continue dredging	in SWMU 3											
		WASTI	E ACCUMULAT	ION/STOCKPILE AREA								
Accumulation / Stockpile Area		JEB Little Creek harbor (S	SWMU 3)									
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0					
Notes:				•								
		TI	RANSPORTATIO	ON AND DISPOSAL								
Transportation and	Disposal Activites	s/Summary Quantitites:										
None observed												
			ATTACI	HMENTS								
List of Attachment	s: (examples, as a	applicable: submittals, meetin	ng minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	sts, profiles, rework	item list, etc.):					
None												
	ort is complete and	at to the best of my correct and equipment and iring this reporting period is		ge for	_		2.5/2012					
		ings and specifications	-	000			26/2013					
except as noted in	except as noted in this report PREPARER'S SIGNATURE DATE											



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 02/26/2013

REPORT NO: 5

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Refueling crane (SWMU 3; Cell #7)	2/26/13	01
2	Landing Scow SC-136 to dredge barge (SWMU 3; Cell #7)	2/26/13	02
3	Tying Scow SC-136 to dredge barge (SWMU 3; Cell #7)	2/26/13	03
4	Runner boat deploying turbidity curtain and oil boom near marina dry dock area (SWMU 3; Cell #7)	2/26/13	04
5	Runner boat stretching out turbidity curtain and oil boom near marina dry dock area (SWMU 3; Cell #7)	2/26/13	05
6	Lifting stern spud with crane to move dredge barge (SWMU 3; Cell #7)	2/26/13	06
7	P. Brown collecting sediment from dredge bucket for waste characterization (SWMU 3; Cell #7)	2/26/13	07
8	P. Brown collecting sediment from dredge bucket for waste characterization (SWMU 3; Cell #7)	2/26/13	08
9	P. Brown collecting sediment from dredge bucket for waste characterization (SWMU 3; Cell #7)	2/26/13	09
10	Turbidity curtain and oil boom deployed by docks (SWMU 3; Cell #7)	2/26/13	10
11	Turbidity curtain and oil boom deployed by docks (SWMU 3; Cell #7)	2/26/13	11
12	Shoveling sediment off scow apron (SWMU 3; Cell #7)	2/26/13	12
13	Close-up of sediment (SWMU 3; Cell #7)	2/26/13	13
14	Dredging in Cell #7 near marina docks (SWMU 3; Cell #7)	2/26/13	14
15	Dredging in Cell #7 near marina docks (SWMU 3; Cell #7)	2/26/13	15
16	Dredging in Cell #7 near marina docks (SWMU 3; Cell #7)	2/26/13	16
17	Dredging in Cell #7 near marina docks (SWMU 3; Cell #7)	2/26/13	17
18	Dredging in Cell #7 near marina docks showing dock trash (ropes, cable, plastic) picked up in bucket (SWMU 3; Cell #7)	2/26/13	18
19	Dredging in Cell #7 near marina docks showing dock trash (ropes, cable, plastic) picked up in bucket (SWMU 3; Cell #7)	2/26/13	19
20	Dredging in Cell #7 near marina docks showing dock trash (ropes, cable, plastic) picked up in bucket (SWMU 3; Cell #7)	2/26/13	20
21	Tug Challenger staging scow by piers	2/26/13	21



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/27/2013

REVISION NO: 0
REVISION DATE: N/A

	(*******	II ABBITIOINE SILL		355111(1)	REVISION DATE: N/A REPORT NO: 6
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	<u> </u>	
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #3,	#4 partial			
ONSITE SUPPORT: Jeremy Scott			START	ΓΙΜΕ/ END TIME:	06:16/ 16:49
AM WEATHER: cool, overcast ~50°F	PM WEATHER: mi	ld, clear ~60°F		WIND DIRECTION	I: SW (10-15 mph)
	WORK FO	RCE (includes subc	ontractors	and visitors)	
Name/Company				Total Hours	Today
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting – QC Mar	nager	10			
Weldon Diggs/McLean Contracting – Site S	uperintendent	10			
Henry Thrul Jr./McLean Contracting - Oper	rator	10			
Gerald Wilson/McClean Contracting – Deck	chand	10			
Patrick Brown/McLean Contracting - Deckl	nand	10			
Tim Scott/McLean Contracting – Deckhand		10			
	SUMMA	RY OF WORK PEI	RFORMEI	D TODAY	
EQUIPMENT ON HAND					
Description of Equipment	Model/Manufacturer	Eq	uipment ID Number	Calibration Performed By	
127 ton crane with 16 cy dredge					

FIELD OBSERVATIONS:

- 0616 J. Scott at dock waiting on dredge crew
- 0635 McLean Contracting dredge crew arrive and set up
- 0655 McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel)
- 0700 J. Scott and McLean crew onboard dredge barge getting started and setting up (NOTE: tug company did not pick up Scow SC-136 due to high winds and reported 9 ft swales at mouth of harbor; will come by this morning and pick up scow)
- 0707 Crew changing jack line (line responsible for closing dredge bucket) on dredge bucket; workboat WB-39 departs with W. Diggs and D. Davis to pick up Tim Anders (McLean Contracting)
- 0718 D. Davis and W. Diggs back onboard dredge barge with T. Anders (McLean Contracting); T. Anders working on GPS and HyPack
- 0731 Runnerboat placed in water
- 0737 Tug Challenger arrives and tying off on Scow SC-136
- 0741 Tug Challenger departs with Scow SC-136
- 0744 Dredge bucket rigged onto crane; old jack line removed and installing new jack line
- 0755 Tug Challenger staging Scow SC-136 to 5th pier
- 0817 J. Scott receives e-mail from C. Landin asking about the difficulty dredging near shoreline with the concrete and sand bottom
- 0834 After talking with D. Davis, J. Scott sends e-mail to C. Landin, B. Harris, and N. Price to tell them dredging to desired elevations would be an issue in Cell #'s 4 and 6 (and likely Cell #'s 1 and 2 when they reach that area). McLean is not getting down due to sand and concrete they will remove what they can but in some areas they are barely scratching the surface. Any determinations of actual dredge depth/volume would be a guess since buckets aren't full and difficult to calculate
- 0845 Follow-up call made to C. Landin to discuss e-mail topics
- 0851 Tug Challenger delivers empty Scow SC-141 to dredge barge; successfully moored to dredge barge
- 0857 Tug Challenger departs
- 0914 New jack line installed; unhooking dredge bucket from crane
- 0920 Picking up spuds to move dredge barge ahead in Cell #'s 3 and 4
- 0929 Spuds up moving dredge barge
- 0933 Dredge barge successfully repositioned and spudded down in Cell #'s 3 and 4
- 0953 Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge
- 1004 Crew working on crane monkey line (line responsible for preventing dredge bucket from spinning)
- 1022 Monkey line fixed re-attaching dredge bucket to crane
- 1037 Dredging begins in Cell #'s 3 and 4
- 1048 Dredging stopped operator discussing issues with D. Davis; T. Anders working on HyPack
- 1109 Dredging resumes in Cell #'s 3 and 4 material is firm gray muck/mud with fine sand (muck/mud in top 1 ft) with fair amount of marina debris; no sheens observed
- 1120 Workboat WB-39 departs W. Diggs taking T. Anders back to docks
- 1131 Workboat WB-39 and W. Diggs back onboard dredge barge
- 1209 Scow SC-141 drafting 3.5 ft; sand material and concrete concentrated in Cell #4, Cell #3 material is more soft with muck/mud mixed with fine sands
- 1217 Dredging stopped operator H. Thrul reports that bottom is very compact and hard making dredging difficult due to sand (only about the top 1 ft being penetrated); discussion by H. Thrul, D. Davis, and W. Diggs about path forward
- 1238 Dredging resumes in Cell #'s 3 and 4
- 1309 J. Scott calls C. Landin and left v-mail updating her on status with failure to penetrate in cells near shoreline
- 1312 J. Scott receives e-mail from C. landin acknowledging receipt of v-mail
- 1321 Dredging stopped unhooking dredge bucket from crane; plan is to turn rig around and put Scow SC-141 on starboard side and dig in softer sediment in Cell #'s 3 and 5; approx. 207 cy of sediment dredged from Cell #4 [total for both days = 237 cy] which is probably all that can be removed with this rig
- 1336 After discussion with Joy Eanes (McLean Contracting), D. Davis instructs crew to remain in place in Cell #4 and attempt to dredge with traditional clamshell bucket to see if it is successful in dredging in sand layer
- 1338 J. Scott notifies C. Landin of new plan via e-mail
- 1343 Crew rigging clamshell bucket; D. Davis coordinating with Pete Fovargue (Navy) because clamshell bucket is not in specifications
- 1349 Clamshell bucket rigged onto crane; crew greasing and preparing bucket
- 1415 Clamshell bucket is rigged onto crane and ready for use; D. Davis talked to P. Fovargue and he will have to coordinate with superiors for authorization to use clamshell bucket; crew standing-by
- 1420 C. Landin calls J. Scott for update on status and states that Bryan Peed (Navy) will also have to authorize use of clamshell bucket
- 1432 D. Davis calls and leaves v-mail for B. Peed
- 1439 Crew unhooking clamshell bucket from crane to wait for authorization
- 1449 After discussion with J. Eanes, D. Davis states that a decision has been made by McLean to move rig to Cell #13 and dredge there while waiting on approval from Navy to continue dredging in marina dock area
- 1454 J. Scott calls C. Landin to update her on status and current plans of McLean
- 1456 Runnerboat picking up turbidity curtain and oil boom and staging alongside dredge barge
- 1515 Picking up spuds to move dredge barge to Cell #13
- 1519 Spuds up moving dredge barge
- 1541 Dredge barge successfully repositioned and spudded down in Cell #13; crane deploying anchors; runnerboat staging turbidity curtain and oil boom
- 1632 Crane picking up runner boat; crew staging dredge barge to remain in place overnight
- $1643-Dredge\ crew\ and\ J.\ Scott\ depart\ dredge\ barge\ by\ workboat\ WB-39\ and\ return\ to\ dock$
- 1649 J. Scott back at dock end of day

DATA REVIEW: N/A									
	DITIONS/DELA	Y/CONFLICTS ENCOUN	NTERED:						
None									
DISCUSSION NO	OTES:								
None									
ACTION ITEMS		ization from Navy to change	to clamshell bucke	st.					
Review that Weller	an receives author	ization from tvavy to change		SAFETY REPORT					
Was A Job Safety	Meeting Held This	s Date?					☐ No		
Were there any los	t-time accidents th	is date? (If Yes, attach cop	y of completed OSI	HA report)		☐ Yes	⊠ No		
Was a Confined Sp	ace Entry Permit	Administered This Date? (I	f Yes, attach copy of	of each permit)		☐ Yes	⊠ No		
Was Crane/Manlift	t/Trenching/Scaffo	old/HV Elec/High Work/Ha	zmat Work Done?			Yes (b			
(If Yes, attach state	ement or checklist	showing inspection perforn	ned) (Crane inspecti	on/checklist performed by Mo	Lean)	McLean)			
Was Hazardous Ma	aterial/Waste Rele	ased into the Environment?	(If Yes, attach desc	ription of incident and propos	ed action)	Yes	⊠ No		
SAFETY ACTIO	NS TAKEN TOD	PAY (Include Observations	of any Safety Viola	tions, Corrective Instructions	Given, and Correct	tive Actions Taken)	<u> </u>		
None									
			FUTURI	E WORK					
Planned Work for t	this week:								
Dredge in Ce	11 # 13								
Planned Work for	Next Week:								
Continue dredging	in SWMU 3								
		WAST	E ACCUMULAT	ION/STOCKPILE AREA					
Accumulation / Stockpile Area		JEB Little Creek harbor (SWMU 3)						
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
		T	RANSPORTATIO	ON AND DISPOSAL					
Transportation and	Disposal Activite	s/Summary Quantitites:							
None observed									
			ATTACI	HMENTS					
List of Attachment	s: (examples, as	applicable: submittals, meet	ing minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	titem list, etc.):		
None									
	,	at to the best of my		\circ					
		l correct and equipment and		ge for	_				
		aring this reporting period is rings and specifications		D' 1 100		2/	27/2013		
except as noted in				PREPARER'S SIGNATURE		_	DATE		
	The first of the f								



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

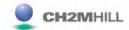
LOG DATE: 02/27/2013

REPORT NO: 6

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Removing and installing new jack line	2/27/13	01
2	Tug Challenger retrieving Scow SC-136	2/27/13	02
3	Tug Challenger retrieving Scow SC-136	2/27/13	03
4	Removing and installing new jack line	2/27/13	04
5	Close-up showing new and old (worn and frayed) jack line	2/27/13	05
6	Close-up showing new and old (worn and frayed) jack line	2/27/13	06
7	Removing and installing new jack line (using cutting torch)	2/27/13	07
8	Removing and installing new jack line (using cutting torch)	2/27/13	08
9	Tug Challenger towing Scow SC-136	2/27/13	09
10	Removing and installing new jack line (using cutting torch)	2/27/13	10
11	Crew working on monkey line	2/27/13	11
12	Close-up of dredge bucket with new jack line installed	2/27/13	12
13	Close-up of dredge bucket with new jack line installed	2/27/13	13
14	Dredging in Cell #4 near marina docks before penetrating into sediment (SWMU 3; Cell #4)	2/27/13	14
15	Dredging in Cell #4 near marina docks after penetrating into sediment (SWMU 3; Cell #4)	2/27/13	15
16	Dredging in Cell #4 near marina – very little sediment in bucket (SWMU 3; Cell #4)	2/27/13	16
17	Close-up of shoreline near marina docks during low tide showing concrete (SWMU 3; Cell #4)	2/27/13	17
18	Crew working on prepping clamshell bucket	2/27/13	18
19	Dredged sediment (primarily sand) from Cell #4 in scow (SWMU 3, Cell #4)	2/27/13	19
20	Dredged sediment (primarily sand) from Cell #4 in scow (SWMU 3, Cell #4)	2/27/13	20
21	Dredged sediment (primarily sand) from Cell #4 in scow (SWMU 3, Cell #4)	2/27/13	21



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 02/28/2013

REVISION NO: 0
REVISION DATE: N/A

				1	REPOR'	T NO: 7	
PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA							
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #13 partial						
ONSITE SUPPORT: Jeremy Scott			START TIME/ END TIME:		06:16/ 14:04		
AM WEATHER: cool, clear ~45°F PM WEATHER: cool, overcast				WIND DIRECTION: \	W (10-1	5 mph)	
WORK FORCE (includes subcontractors and visitors)							
Name/Company				Total Hours To	oday		
Jaramy Scott/CH2M HILL OA Managar	Q		•				

Name/Company	Total Hours Today				
Jeremy Scott/CH2M HILL – QA Manager	8				
David Davis/McLean Contracting – QC Manager	10				
Weldon Diggs/McLean Contracting – Site Superintendent	10				
Henry Thrul Jr./McLean Contracting - Operator	10				
Gerald Wilson/McClean Contracting – Deckhand	10				
Patrick Brown/McLean Contracting – Deckhand	10				
Tim Scott/McLean Contracting – Deckhand	10				
CHALLADY OF WORK DEDEODATED TODAY					

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND							
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By				
127 ton crane with 16 cy dredge							

FIELD OBSERVATIONS:		
0616 – J. Scott at dock waiting on dre	dge crew	
0637 – McLean Contracting dredge c	·	
_	art dock by workboat WB-39 (tending vessel)	
	oard dredge barge – getting started and setting up	
0725 – Runnerboat placed in water		
0747 – Dredge bucket rigged onto cra		
	y curtain and oil boom around scow and dredge barge	dobnio monino do alt trach (none
cable, plastic sheathing, etc.);	material is dark gray/black soft muck/mud with no sand and sulfur odor with occasional wood	debris marina dock trash (rope,
	no sheens observed and turbidity staying within turbidity curtain	
	oom with new boom; old boom stretched out on dredge barge deck to dry out	
1006 – Oil boom successfully replace		
• •	ined within oil boom and turbidity curtain	
1022 – Scow SC-141 drafting 7 ft		
1056 – Dredging stopped to move dre	edge barge ahead in Cell #13	
1109 – Unhooking dredge bucket from		
1117 – Picking up spuds to move dred	lge barge	
1127 – Spuds up – moving dredge bar	rge	
1134 – Dredge barge successfully rep	ositioned and spudded down in Cell #13; crane moving anchors ahead in cell	
1144 – Anchors repositioned; runnerb	ooat stretching turbidity curtain and oil boom	
1147 – Re-attaching dredge bucket to		
1157 – Dredging resumes in Cell #13		
1218 – Scow SC-141 drafting 8 ft; no		
•	Nate Price – N. Price advises that Navy Environmental is concerned with turbidity in shallow,	•
· · · · · · · · · · · · · · · · · · ·	a major issue because area is shallow and turbidty curtain is very close to bottom; however, Mo	cLean Contracting has plenty of
•	l and could easily deploy another barrier if necessary ·141 is full drafting 8.75 ft (approx. 957 cy of sediment dredged from Cell #13 – Cell #13 appro	ov. 900/ complete), dealthands
	k sediment into scow and washing off remainder with washdown pump; there is no need to dev	
	removing booms and staging alongside dredge barge (NOTE: no new scows are available to co	
	overnight when Scow SC-141 is removed)	Shande dreaging empty seew win
	remain in place overnight; performing O&M on dredge barge to fill out shift	
1335 – Light sprinkle begins		
	by workboat WB-39 and returns to dock	
1404 – J. Scott back at dock – end of		
DATA REVIEW:		
N/A	W/CONTEXT COTO ENCOTINIDEDED	
None CHANGED CONDITIONS/DELA	Y/CONFLICTS ENCOUNTERED:	
DISCUSSION NOTES:		
None		
ACTION ITEMS/FOLLOW UP:		
Review that scow SC-141 was proper	ly manifested and delivered to processing facility	
	HEALTH AND SAFETY REPORT	
Was A Job Safety Meeting Held This	Date?	
Were there any lost-time accidents the	is date? (If Yes, attach copy of completed OSHA report)	☐ Yes ☐ No
Was a Confined Space Entry Permit A	Administered This Date? (If Yes, attach copy of each permit)	☐ Yes ☐ No
	ld/HV Elec/High Work/Hazmat Work Done?	Yes (by No
	showing inspection performed) (Crane inspection/checklist performed by McLean)	McLean)
Was Hazardous Material/Waste Relea	ased into the Environment? (If Yes, attach description of incident and proposed action)	☐ Yes No
	AV (I. d. d. Oberestine of second of the Violation of Comment of C	A -4: T-1
	AY (Include Observations of any Safety Violations, Corrective Instructions Given, and Correct	ive Actions Taken):
None		
	FUTURE WORK	
Planned Work for this week:		
Dredge in Cell #'s 13 (remainde	er) and 11	
Planned Work for Next Week:		
Continue dredging in SWMU 3		
Continue drouging in 5 w WO 5	WASTE ACCUMULATION/STOCKER EADEA	
	WASTE ACCUMULATION/STOCKPILE AREA	
Accumulation / Stockpile Area	JEB Little Creek harbor (SWMU 3)	

No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:	Notes:								
			TRANSPORT	CATION AND DISPOSAL					
Transportation as	nd Disposal Activ	ites/Summary Quantitites:							
None observed									
	ATTACHMENTS								
List of Attachme	nts: (examples,	as applicable: submittals, n	neeting minutes,	safety meeting minutes,, COCs, we	eight tickets,	manifests, profiles, rewor	k item list, etc.):		
None	None								
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 2/28/2013									
except as noted i	n this report	• •		PREPARER'S SIGNATURE			DATE		



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 02/28/2013

REPORT NO: 7

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Placing runnerboat in water with crane	2/28/13	01
2	Crew greasing top pulley of crane	2/28/13	02
3	Dredging in Cell #13 (SWMU 3; Cell #13)	2/28/13	03
4	Dredging in Cell #13 (SWMU 3; Cell #13)	2/28/13	04
5	Dredging in Cell #13 (SWMU 3; Cell #13)	2/28/13	05
6	Dredging in Cell #13 (SWMU 3; Cell #13)	2/28/13	06
7	Removing old oil boom (SWMU 3; Cell #13)	2/28/13	07
8	Old oil boom placed on dredge barge deck to dry out	2/28/13	08
9	Crew placing new oil boom (SWMU 3; Cell #13)	2/28/13	09
10	Crew placing new oil boom (SWMU 3; Cell #13)	2/28/13	10
11	Slight sheen observed during dredging (SWMU 3; Cell #13)	2/28/13	11
12	Dredged sediment in Scow SC-141(SWMU 3; Cell #13)	2/28/13	12
13	Dredged sediment in Scow SC-141(SWMU 3; Cell #13)	2/28/13	13
14	Dredged sediment in Scow SC-141(SWMU 3; Cell #13)	2/28/13	14
15	Deckhand shoveling bulk sediment off scow apron and D. Davis measuring Scow SC-141 draft (SWMU 3; Cell #13)	2/28/13	15
16	Deckhand shoveling bulk sediment off scow apron (SWMU 3; Cell #13)	2/28/13	16
			_
			<u> </u>



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/01/2013

REVISION NO: 0

PROJECT NAME / LOCATION: JEB Litt PROJECT NUMBER: 457901.CE.GN	SWMU 7b / Virginia Beach, VA TION: Dredging SWMU 3			REVISION NO. 0 REVISION DATE: N/A REPORT NO: 8		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #13		VIVIO 3			
ONSITE SUPPORT: Jeremy Scott	#11	partial	START T	IME/ END TIME:		06:16/ 15:20
AM WEATHER: cool, overcast ~40°F	PM WEATHER: coo	ol, overcast ~45°F		WIND DIRECTION	V: NW (5-1	0 mph)
	WORK FO	RCE (includes subc	ontractors a	and visitors)		
Name/Company				Total Hours	Today	
Jeremy Scott/CH2M HILL – QA Manager		9				
David Davis/McLean Contracting – QC Mar	nager	9				
Weldon Diggs/McLean Contracting – Site S	uperintendent	9				
Henry Thrul Jr./McLean Contracting – Oper	ator	9				
Gerald Wilson/McClean Contracting – Deck	hand	9				
Patrick Brown/McLean Contracting - Deckh	and	9				
Tim Scott/McLean Contracting – Deckhand		9				
	SUMMA	RY OF WORK PEI	RFORMED	TODAY		
EQUIPMENT ON HAND						
Description of Equipment Make/M		Model/Manufacturer	Equ	ipment ID Number		Calibration Performed By
127 ton crane with 16 cy dredge						

0616 - J. Scott at dock waiting on dredge crew 0638 - McLean Contracting dredge crew arrive and set up 0650 - McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0654 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0705 - Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-141 filled from previous day was moved overnight to processing facility) 0718 – Runnerboat placed in water 0729 - Scow SC-135 arrives and successfully moored to dredge barge on port side 0736 - Dredge bucket rigged onto crane; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0749 - Dredging begins in Cell #13 - material is dark gray/black soft muck/mud with no sand and sulfur odor with occasional wood debris marina dock trash (rope, cable, plastic sheathing, etc.); minor sheens observed 0755 - D.Davis collects sediment sample for waste characterization for Bay Environmental 0843 - Dredging stopped - piece of rubber hose stuck in overlapping sides of dredge bucket preventing full closure; crew rig bucket and pry piece out 0854 – Dredging resumes in Cell #13 0857 - Old Navy anchor dredged up and placed on front of scow; cursory research by D. Davis indicates that it is a twisted arm anchor used by the Navy in the late 1800s and early 1900s and until the WW II era 0912 - Dredging stopped - complete with Cell #13 (approx. 176 cy of sediment dredged from Cell #13; total for Cell #13 = 1133 cy [957 cy + 176 cy]) 0919 - Unhooking dredge bucket from crane 0929 - Picking up spuds to move dredge barge to Cell #11 0936 – Spuds up – moving dredge barge 0952 - Dredge barge successfully repositioned and spudded down in Cell #11; runnerboat stretching turbidity curtain and oil boom 0958 - Crane picking up anchor and stowing on dredge barge deck 1003 - Re-attaching dredge bucket to crane 1005 - D. Davis notifies J. Scott that he received an e-mail from P. Fovargue (Navy) authorizing McLean to use traditional clamshell bucket in marina dock area 1017 – D. Davis departs dredge barge to take sediment sample to Bay Environmental 1028 - Dredging begins in Cell #11 - material is dark gray/black soft muck/mud with no sand and sulfur odor with occasional wood debris marina dock trash (rope, cable, plastic sheathing, etc.); Scow SC-135 drafting 5 ft 1048 - Sheens observed - contained within oil boom and turbidity curtain; discernable petroleum odor in sediment 1117 - Sheen continues with discernable petroleum odor - sheen still contained within oil boom and turbidity curtain 1157 - D. Davis back onboard 1202 - Scow SC-135 drafting 7 ft; sheen and discernable petroleum odor continue - sheen still contained within oil boom and turbidity curtain 1335 - Scow SC-135 drafting 8 ft; sheen has lessened and only a faint petroleum odor - sheen still contained within oil boom and turbidity curtain 1347 - Dredging stopped - Scow SC-135 is full drafting 8.25 ft (approx. 729 cy of sediment dredged from Cell #11 - Cell #11 approx. 50% complete); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1402 - Unhooking dredge bucket from crane 1410 - Crane moving old relic anchor off scow apron and onto back deck of dredge barge 1428 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place over weekend 1459 - Crane picking up runner boat 1511 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1520 - J. Scott back at dock - end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-135 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ⊠ Yes П № Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes No. Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No. ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed FUTURE WORK Planned Work for this week: None - end of week

FIELD OBSERVATIONS:

Planned Work for	Next Week:						
Continue dredging	in SWMU 3						
		WASTE	E ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / JEB Little Creek harbor (SWMU 3) Stockpile Area							
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	RANSPORTATIO	ON AND DISPOSAL			
Transportation and	Disposal Activ	vites/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachment	s: (examples,	as applicable: submittals, meetir	ng minutes, safety	y meeting minutes,, COCs, we	eight tickets, manif	ests, profiles, reworl	k item list, etc.):
None							
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is							/01/2013
in compliance with the contract drawings and specifications except as noted in this report			PREPARER'S SIGNATURE				DATE
except as noted in this report				FREFARER S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/01/2013

REPORT NO: 8

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Dredging in Cell #13 (SWMU 3; Cell #13)	3/01/13	01
2	Dredging in Cell #13 (SWMU 3; Cell #13)	3/01/13	02
3	D. Davis collecting waste characterization sample from dredge bucket (SWMU 3; Cell #13)	3/01/13	03
4	D. Davis collecting waste characterization sample from dredge bucket (SWMU 3; Cell #13)	3/01/13	04
5	D. Davis collecting waste characterization sample from dredge bucket (SWMU 3; Cell #13)	3/01/13	05
6	Rubber trash wedged in dredge bucket (SWMU 3; Cell #13)	3/01/13	06
7	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	07
8	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	08
9	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	09
10	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	10
11	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	11
12	Sheen observed on water while dredging in Cell #11(SWMU 3; Cell #11)	3/01/13	12
13	Dredging in Cell #11 (SWMU 3; Cell #11)	3/01/13	13
14	Dredging in Cell #11 (SWMU 3; Cell #11)	3/01/13	14
15	Sheen observed on water while dredging in Cell #11(SWMU 3; Cell #11)	3/01/13	15
16	Sheen observed on water while dredging in Cell #11(SWMU 3; Cell #11)	3/01/13	16
17	Sheen observed on water while dredging in Cell #11(SWMU 3; Cell #11)	3/01/13	17
18	Sheen observed on water while dredging in Cell #11(SWMU 3; Cell #11)	3/01/13	18
19	Sheen observed on water while dredging in Cell #11(SWMU 3; Cell #11)	3/01/13	19
20	Sediment leaching sheen while being dredged (SWMU 3; Cell #11)	3/01/13	20
21	Sediment leaching sheen while being dredged (SWMU 3; Cell #11)	3/01/13	21
22	Sediment leaching sheen while being dredged (SWMU 3; Cell #11)	3/01/13	22
23	Dredging in Cell #11 (SWMU 3; Cell #11)	3/01/13	23
24	Dredging in Cell #11 (SWMU 3; Cell #11)	3/01/13	24
25	Dredging in Cell #11 (SWMU 3; Cell #11)	3/01/13	25
26	Dredging in Cell #11 (SWMU 3; Cell #11)	3/01/13	26
27	Dredging in Cell #11 with marina trash hanging from dredge bucket (SWMU 3; Cell #11)	3/01/13	27
28	Dredged sediment in Scow SC-135 (SWMU 3; Cell #11)	3/01/13	28
29	Dredged sediment in Scow SC-135 showing sheen on sediment (SWMU 3; Cell #11)	3/01/13	29
30	Dredge bucket dumping sediment into Scow SC-135 (SWMU 3; Cell #11)	3/01/13	30
31	Dredge bucket dumping sediment into Scow SC-135 (SWMU 3; Cell #11)	3/01/13	31
32	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	32
33	Old relic Navy anchor pulled up in dredge (SWMU 3; Cell #13)	3/01/13	33



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/04/2013

REVISION NO: 0
REVISION DATE: N/A

					REPORT NO: 9	
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3			
PROJECT MANAGER: Brooke Harris	()	Cell(s) Dredged: #11 remainder; #9 partial				
ONSITE SUPPORT: Jeremy Scott			START 7	TIME/ END TIME:	06:12/ 15:35	
AM WEATHER: cold, clear ~35°F	ol, clear ~40°F WIND DIRECTIO		WIND DIRECTION	J: NW (10-15 mph)		
	WORK FO	RCE (includes subc	ontractors	and visitors)		
Name/Company		Total Hours Today				
Jeremy Scott/CH2M HILL – QA Manager		9				
David Davis/McLean Contracting – QC Manager		9				
Weldon Diggs/McLean Contracting – Site Superintendent		9				
Henry Thrul Jr./McLean Contracting - Open	ator	9	•			
Gerald Wilson/McClean Contracting – Deck	khand	9	•			

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

Patrick Brown/McLean Contracting – Deckhand
Tim Scott/McLean Contracting – Deckhand

2402112111			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 16 cy dredge			

FIELD OBSERVATIONS: 0612 - J. Scott at dock waiting on dredge crew 0638 - McLean Contracting dredge crew arrive and set up 0650 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0656 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0715 – Runnerboat placed in water 0722 - Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-135 filled from previous week was moved over weekend to processing facility) 0753 - Scow SC-142 arrives and successfully moored to dredge barge on port side 0801 – Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0808 - Dredge bucket rigged onto crane 0822 - Dredging begins in Cell #11- material is dark gray/black soft muck/mud with no sand and sulfur odor with occasional wood debris marina dock trash (rope, cable, plastic sheathing, etc.) 0852 - No sheens observed 0914 – Dredging stopped to move dredge barge ahead in Cell #11 0918 - Unhooking dredge bucket from crane 0928 - Picking up spuds to move dredge barge ahead in Cell #11 0935 - Spuds up - moving dredge barge 0947 - Dredge barge successfully repositioned and spudded down ahead in Cell #11 0950 - W. Diggs departs on workboat WB-39 to pick up additional McLean personnel from dock; re-attaching dredge bucket to crane 0953 - W. Diggs onboard with Dan Miller (McLean Safety Director) and Keith Christianson (Regional Project Manager) 0959 – Dredging resumes in Cell #11 1009 - Increased amount of marina trash observed as dredge barge moves closer to dry dock area 1033 - Minor sheen and black viscous globules observed (possibly tar or bunker oil); sheen contained within oil boom and turbidity curtain 1038 – D. Miller and K. Christianson depart 1113 – Scow SC-142 drafting 5 ft; no sheens or globules observed 1200 - Scow SC-142 drafting 6 ft; occasional sheens and globules observed; sheen contained within oil boom and turbidity curtain 1257 – Scow SC-142 drafting 6.5 ft; no sheens or globules observed 1341 – Dredging complete with Cell #11 (approx. 746 cy of sediment dredged from Cell #11; total for Cell #11 = 1475 cy [746 cy + 729 cy]); dredging continues in Cell #9; scow SC-142 drafting 7.5 ft; no sheens or globules observed 1443 - Dredging stopped - Scow SC-142 is full drafting 8.5 ft (approx. 282 cy of sediment dredged from Cell #9); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1449 - Unhooking dredge bucket from crane 1449 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place overnight 1517 - Crane picking up runner boat 1528 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1535 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ☐ No Was A Job Safety Meeting Held This Date? ✓ Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ⊠ No ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None **FUTURE WORK** Planned Work for this week: Dredge in Cell #'s 9 (remainder), 8, 12, 14 Planned Work for Next Week: Continue dredging in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA

Accumulation / Stockpile Area		JEB Little Creek harbor (SV	VMU 3)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	Disposal Activite	s/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachment	s: (examples, as	applicable: submittals, meeting	g minutes, safety	meeting minutes,, COCs, we	ight tickets, manifo	ests, profiles, rework	x item list, etc.):
None							
knowledge the rep material used and in compliance with	ort is complete and work performed du the contract draw	at to the best of my d correct and equipment and uring this reporting period is rings and specifications		Jes de	_	3,	/04/2013
except as noted in	this report	in compliance with the contract drawings and specifications except as noted in this report PREPARER'S SIGNATURE					DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/04/2013

REPORT NO: 9

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Dredging in Cell #11 (SWMU 3; Cell #11)	3/04/13	01
2	Dredging in Cell #11 (SWMU 3; Cell #11)	3/04/13	02
3	Dredging in Cell #11 (SWMU 3; Cell #11)	3/04/13	03
4	Silt plume during dredging around dry dock area (SWMU 3; Cell #11)	3/04/13	04
5	Viscous black globules observed during dredging activities (SWMU 3; Cell #11)	3/04/13	05
6	Viscous black globules observed during dredging activities (SWMU 3; Cell #11)	3/04/13	06
7	Dredging in Cell #11 (SWMU 3; Cell #11)	3/04/13	07
8	Viscous black globules observed during dredging activities (SWMU 3; Cell #11)	3/04/13	08
9	Viscous black globules observed during dredging activities (SWMU 3; Cell #11)	3/04/13	09
10	Viscous black globules observed during dredging activities (SWMU 3; Cell #11)	3/04/13	10
11	Dredging in Cell #11 (SWMU 3; Cell #11)	3/04/13	11
12	Dredging in Cell #11 (SWMU 3; Cell #11)	3/04/13	12



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/05/2013

REVISION NO: 0

	(ATTACH ADDITIONAL SHEETS IF NECESSARY)			ARY)	REVISION DATE: N/A REPORT NO: 10
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA		REFORT NO. 10
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP				
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #9 r #8 p	emainder; partial			
ONSITE SUPPORT: Jeremy Scott			START TIM	IE/ END TIME:	06:10/ 17:06
AM WEATHER: cold, clear ~30°F	PM WEATHER: coo	ol, light rain ~40°F	V	VIND DIRECTION	: N (5-10 mph)
	WORK FO	RCE (includes subco	ontractors and	d visitors)	
Name/Company			Total Hours	Today	
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting – QC Ma	nager	10			
Weldon Diggs/McLean Contracting - Site S	uperintendent	10			
Henry Thrul Jr./McLean Contracting – Open	ator	10			
Gerald Wilson/McClean Contracting – Deck	khand	10			
Patrick Brown/McLean Contracting – Deckl	nand	10			
Tim Scott/McLean Contracting – Deckhand	10				
	SUMMA	RY OF WORK PEI	RFORMED T	ODAY	
EQUIPMENT ON HAND					
Description of Equipment	Model/Manufacturer	Equip	ment ID Number	Calibration Performed By	
127 ton crane with 16 cy dredge					

FIELD OBSERVATIONS: 0610 - J. Scott at dock waiting on dredge crew 0642 - McLean Contracting dredge crew arrive and set up 0658 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0703 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0729 - Runnerboat placed in water 0733 - Runnerboat moving turbidity curtain and oil boom around in preparation of moving scow to starboard side of dredge barge; crane lifting port-a-john and loading onto workboat WB-39 - sanitation company will pump out and clean at dock today 0750 - Runnerboat tying up large dock bumper and shifting around wooden barge tied up at dry dock to be able to dredge close to dock 0812 - Picking up spuds to move dredge barge ahead in Cell #'s 8 and 9 0817 – Spuds up – moving dredge barge 0827 - Dredge barge successfully repositioned and spudded down ahead in Cell #'s 8 and 9 0830 - Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-142 filled from previous day was moved overnight to processing facility) 0852 - Scow SC-136 arrives and successfully moored to dredge barge on starboard side; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0858 - Dredge bucket rigged onto crane 0903 - D. Davis and W. Diggs depart dredge barge on workboat WB-39 to meet sanitation company at dock to pump out port-a-john 0920 - D. Davis and W. Diggs back onboard 0927 - Dredging begins in Cell #'s 8 and 9 - material is dark gray soft muck/mud with no sand and sulfur odor with wood debris and significant marina dock trash (rope, cable, plastic sheathing, etc.) (NOTE: dredging in Cell #'s 8 and 9 simultaneously due to proximity to dry dock) 0929 - W. Diggs and P. Brown collect sediment sample for waste characterization for Bay Environmental 0945 – D. Davis departs dredge barge to take sediment sample to Bay Environmental 0955 - Minor sheen and sporadic black viscous globules observed; sheen contained within oil boom and turbidity curtain 1027 - Scow SC-136 drafting 3 ft; minor sheens and sporadic globules still observed; sheen contained within oil boom and turbidity curtain 1113 - Scow SC-136 drafting 4 ft; minor sheens and sporadic globules still observed; sheen contained within oil boom and turbidity curtain 1158 - D. Davis and Dan Miller (McLean Safety Director) onboard 1241 – D. Miller departs 1309 - Scow SC-136 drafting 5.5 ft; minor sheens still observed, but no black viscous globules; sheen contained within oil boom and turbidity curtain 1329 - W. Diggs departs dredge barge on workboat WB-39 to pick up McLean mechanics at dock 1336 - W. Diggs back onboard with two McLean mechanics to fix outboard engine on runnerboat 1412 - Scow SC-136 drafting 6.25 ft; no sheens or black viscous globules observed 1416 - Dredging stopped to move dredge barge ahead in Cell #'s 8 and 9; unhooking dredge bucket from crane 1427 - Picking up spuds to move dredge barge ahead in Cell #'s 8 and 9 1437 – Spuds up – moving dredge barge 1443 - Dredge barge successfully repositioned and spudded down ahead in Cell #'s 8 and 9; crane picking up runnerboat and placing on deck for mechanics to change outboard motor 1447 - Re-attaching dredge bucket to crane; mechanics exchanging outboard motors on runnerboat 1458 - Dredging resumes in Cell #'s 8 and 9 1526 - W. Diggs departs dredge barge on workboat WB-39 to return mechanics to dock 1549 – Light rain begins 1557 – W. Diggs back onboard 1612 - Dredging stopped - dredging complete with Cell #9 and Cell #8 north of dry dock; scow SC-136 is full drafting 7.25 ft (approx. 385 cy of sediment dredged from Cell #9; total for Cell #9 = 667 cy [385 cy + 282 cy]; approx. 461 cy of sediment dredged from Cell #8; current dredged total for Cell #8 = 525 cy); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; unhooking dredge bucket from crane 1621 - Runnerboat placed in water; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place overnight 1648 - Crane picking up runner boat 1652 – Crane picking up port-a-john and placing on stern deck of dredge barge 1658 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1706 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-136 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT X Yes Was A Job Safety Meeting Held This Date? ☐ No Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) No No ☐ Yes

		old/HV Elec/High Work/Hazma showing inspection performed		on/checklist performed by Mo	Lean)	Yes (b	y 🗌 No
Was Hazardous Ma	Yes	⊠ No					
SAFETY ACTION	NS TAKEN TOD	AY (Include Observations of a	any Safety Violat	ions, Corrective Instructions	Given, and Correct	ive Actions Taken)	:
None							
			FUTURI	E WORK			
Planned Work for t	this week:						
Dredge in Ce	ll #'s 12 and 14						
Planned Work for I	Next Week:						
Continue dredging	in SWMU 3						
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	VMU 3)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	ON AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTACI	IMENTS			
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	titem list, etc.):
None							
On behalf of CH2N knowledge the repo		at to the best of my I correct and equipment and		0 6-	_		
		ring this reporting period is ings and specifications		Jo Da		3/	05/2013
except as noted in t		ings and specifications		PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

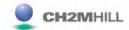
LOG DATE: 03/05/2013

REPORT NO: 10

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Loading port-a-john onto workboat WB-39 with crane	3/05/13	01
2	Crew moving wooden barge and dry dock bumper for access for dredging in Cell #8	3/05/13	02
3	Crew moving wooden barge and dry dock bumper for access for dredging in Cell #8	3/05/13	03
4	Crew moving wooden barge and dry dock bumper for access for dredging in Cell #8	3/05/13	04
5	W. Diggs collecting waste characterization sample from dredge bucket (SWMU 3; Cell #9)	3/05/13	05
6	W. Diggs collecting waste characterization sample from dredge bucket (SWMU 3; Cell #9)	3/05/13	06
7	Dredging in Cell #9 (SWMU 3; Cell #9)	3/05/13	07
8	Silt plume observed during dredging (SWMU 3; Cell #9)	3/05/13	08
9	Dredging in Cell #8 (SWMU 3; Cell #8)	3/05/13	09
10	Dredging in Cell #8 (SWMU 3; Cell #8)	3/05/13	10
11	Dredging in Cell #8 (SWMU 3; Cell #8)	3/05/13	11
12	Silt plume and minor oil sheen observed during dredging (SWMU 3; Cell #9)	3/05/13	12
13	Dredging in Cell #8 (SWMU 3; Cell #8)	3/05/13	13
14	Marina trash (rubber hose) in dredge bucket (SWMU 3; Cell #8)	3/05/13	14
15	Viscous black globules observed during dredging activities (SWMU 3; Cell #8)	3/05/13	15
16	Minor oil sheen observed during dredging activities (SWMU 3, Cell #8)	3/05/13	16
17	Dredging in Cell #8 (SWMU 3; Cell #8)	3/05/13	17
18	Dredging in Cell #8 (SWMU 3; Cell #8)	3/05/13	18
19	Close-up of dredged sediment (SWMU 3, Cell #8)	3/05/13	19
20	Dredge bucket placing material in scow SC-136 (SWMU 3, Cell #8)	3/05/13	20
21	Dredged material in scow SC-136 (SWMU 3, Cell #8)	3/05/13	21
22	Dredged material in scow SC-136 (SWMU 3, Cell #8)	3/05/13	22



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/06/2013

REVISION NO: 1

					REVISION DATE: 03/09/2013	
					REPORT NO: 11	
PROJECT NAME / LOCATION: JEB Little	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	DJECT DESCRIPTION: Dredging SWMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #14	and #12				
ONSITE SUPPORT: Jeremy Scott			START TIN	ME/ END TIME:	06:15/ 15:40	
AM WEATHER: cool, overcast ~45°F	PM WEATHER: col	d, light rain ~35°F	7	WIND DIRECTION:	SW (10-15 mph)	
	WORK FO	RCE (includes subco	ontractors an	nd visitors)		
Name/Company				Total Hours T	oday	
Jeremy Scott/CH2M HILL – QA Manager		9				
David Davis/McLean Contracting – QC Mar	nager	9				
Weldon Diggs/McLean Contracting – Site S	uperintendent	9				
Henry Thrul Jr./McLean Contracting - Oper	ator	9				
Gerald Wilson/McClean Contracting – Deck	hand	9				
Patrick Brown/McLean Contracting - Deckh	nand	9				
Tim Scott/McLean Contracting – Deckhand		9				
	SUMMA	RY OF WORK PER	RFORMED T	ГОДАҮ		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Equip	pment ID Number	Calibration Performed By	
127 ton crane with 16 cy dredge						

FIELD OBSERVATIONS: 0615 - J. Scott at dock waiting on dredge crew 0641 - McLean Contracting dredge crew arrive and set up 0650 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0656 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0709 - Runnerboat placed in water 0722 - Runnerboat moving turbidity curtain and oil boom around in preparation of moving scow to port side of dredge barge 0725 - Picking up spuds to move dredge barge to Cell #14 0733 - Spuds up - moving dredge barge 0745 – Dredge barge successfully moved and spudded down in Cell #14 0748 - Workboat WB-39 departs to retrieve scow staged at 5th pier (NOTE: Scow SC-136 filled from previous day was moved overnight to processing facility) 0809 - Scow SC-141 arrives and successfully moored to dredge barge on starboard side; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge with workboat WB-39 assisting 0828 - Dredge bucket rigged onto crane 0846 - Crew repairing jack line (responsible for closing bucket) pulley sheave - welding plate onto sheave to prevent line from getting pinched when bucket closes 0858 – D. Davis receives a call (and subsequent video via e-mail) from processing facility that Scow SC-142 (filled on 3/4/12) has a 1.5-inch hole that was discovered during unloading (NOTE: scow was not leaking when it left JEB Little Creek and processing facility noted they may have caused the hole during unloading or tug company may have ran into something during delivery) 0930 - Dredge bucket repairs complete 0933 - Heather McDonald and two other Navy Cultural Resource personnel on dock adjacent to dredge barge to look at relict anchor staged on stern deck - D. Davis will e-mail pictures to them 0936 - Heather McDonald and two other Navy Cultural Resource personnel depart 0943 – D. Davis departs to go to processing facility to check status of leaking Scow SC-142 0914 - Dredging begins in Cell #14 - material is dark gray soft muck/mud with no sand and sulfur odor with wood debris and significant marina dock trash (rope, cable, plastic sheathing, etc.) 1016 - Minor sheen observed; sheen contained within oil boom and turbidity curtain 1046 - W. Diggs departs dredge barge on workboat WB-39 to pick up McLean mechanic at dock 1048 - Scow SC-141 drafting 5 ft; minor sheens still observed; sheen contained within oil boom and turbidity curtain 1053 - W. Diggs back onboard with one McLean mechanic to fix outboard engine on runnerboat 1145 - Scow SC-141 drafting 6 ft; minor sheens still observed; sheen contained within oil boom and turbidity curtain 1148 - W. Diggs departs dredge barge on workboat WB-39 to return mechanic to dock 1155 - W. Diggs back onboard 1219 - Dredging stopped to move dredge barge ahead in Cell #'s 14 and 12; unhooking dredge bucket from crane 1232 – Picking up spuds to move dredge barge ahead in Cell #'s 12 and 12 1239 – Spuds up – moving dredge barge 1244 - Dredge barge successfully repositioned and spudded down ahead in Cell #'s 14 and 12; re-attaching dredge bucket to crane 1313 – Dredging resumes in Cell #'s 14 and 12 1329 - Scow SC-141 drafting 7 ft; minor sheens still observed; sheen contained within oil boom and turbidity curtain 1352 - Light rain begins 1502 - Dredging stopped - dredging complete with Cell #14 and Cell #12; scow SC-141 is full drafting 9 ft (approx. 891cy of sediment dredged from Cell #14; approx. 100 cy of sediment dredged from Cell #12);deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow NOTE: Due to D. Davis absence - approximate dredge volumes were added after D. Davis returned and e-mailed them to J. Scott 1511 - Unhooking dredge bucket from crane; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place over weekend (NOTE: dredging will not occur on Thursday [3/7/13] due high winds and rough weather which precludes the tug company from retrieving full scow and delivering empty scow; dredging will resume on Monday [3/11/13]) 1521 – Crane picking up runner boat 1532 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1540 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-141 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ⊠ Yes ☐ No Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No

McLean)

(If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean)

Was Hazardous Ma	nterial/Waste Relea	ased into the Environment? (If	Yes, attach descri	ription of incident and propose	ed action)	☐ Yes	⊠ No
SAFETY ACTION	NS TAKEN TOD	AY (Include Observations of a	any Safety Violat	ions, Corrective Instructions	Given, and Correct	tive Actions Taken)	:
SBO completed							
			FUTURE	E WORK			
Planned Work for t	his week:						
None – end o	f week's dredging	activities					
Planned Work for I	Next Week:						
Continue dredging	in SWMU 3						
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	VMU 3)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	N AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTACH	IMENTS			
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	t item list, etc.):
None							
material used and v	ort is complete and work performed du the contract draw	at to the best of my correct and equipment and ring this reporting period is ings and specifications		PREPARER'S SIGNATURE	-	3/	06/2013 DATE
except as noted in t	ins report			I KLI AKLK S SIGNATURE			DAIL



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/06/2013

REPORT NO: 11

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Repairing jack line by welding plate onto sheave	3/06/13	01
2	Repairing jack line by welding plate onto sheave	3/06/13	02
3	Runnerboat deploying turbidity curtain and oil boom around dock in preparation for dredging in Cell #14	3/06/13	03
4	Minor oil sheen observed during dredging activities (SWMU 3, Cell #14)	3/06/13	04
5	Minor oil sheen observed during dredging activities (SWMU 3, Cell #14)	3/06/13	05
6	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	06
7	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	07
8	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	08
9	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	09
10	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	10
11	Minor oil sheen observed during dredging activities (SWMU 3, Cell #14)	3/06/13	11
12	Turbidity curtain and oil boom deployed around docks (SWMU 3, Cell #14)	3/06/13	12
13	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	13
14	Dredging in Cell #14 (SWMU 3; Cell #14)	3/06/13	14



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/11/2013

REVISION NO: 1

				REVISION DATE: 03/12/2013
			1	REPORT NO: 12
PROJECT NAME / LOCATION: JEB Liv	tle Creek SWMU 3 and SWM	MU 7b / Virginia Bo	each, VA	
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIPTION	N: Dredging SWM	IU 3	
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: none			
ONSITE SUPPORT: Jeremy Scott		S	START TIME/ END TIME:	06:23/ 17:03
AM WEATHER: mild, clear ~35°F	PM WEATHER: mild, cl	ear ~60°F	WIND DIRECTION:	S (10-15 mph)
	WORK FORCE	E (includes subcont	tractors and visitors)	
Name/Company			Total Hours To	oday
Jeremy Scott/CH2M HILL – QA Manager	10			
David Davis/McLean Contracting – QC Ma	nnager 10			
$Weldon\ Diggs/McLean\ Contracting-Site$	Superintendent 10			
Henry Thrul Jr./McLean Contracting - Ope	rator 10			
Gerald Wilson/McClean Contracting – Dec	khand 10			
Patrick Brown/McLean Contracting – Decl	thand 10			
	SUMMARY	OF WORK PERF	ORMED TODAY	
EQUIPMENT ON HAND				
Description of Equipment	Make/Mode	l/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 16 cy dredge				

0623 - J. Scott at dock waiting on dredge crew 0642 - McLean Contracting dredge crew arrive and set up 0657 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0702 – J. Scott and McLean crew onboard dredge barge – getting started and setting up (NOTE: Scow SC-141 filled from 3/6/13 tied to port side of dredge barge; D. Davis reported that heavy swales on Friday night caused the load to shift when the tug company was attempting to transport the scow to the processing facility, subsequently the scow was returned to the dredge barge and McLean will move approx. 200 cy of dredged material into empty scow) 0739 - Runnerboat placed in water 0800 – Workboat WB-39 departs to retrieve scow staged at 5th pier 0820 - Scow SC-135 arrives and successfully moored to port side of Scow SC-141 to offload some dredged material 0833 - Dredge bucket rigged onto crane 0847 - Begin transferring dredged material from Scow SC-141 to Scow SC-135 0854 - W. Diggs departs dredge barge on workboat WB-39 to meet McLean electrician at dock to repair workboat WB-39 0905 – Material transfer stopped 0917 - Material transfer resumes 0943 – W. Diggs back onboard 0947 – Material transfer stopped 1025 - Material transfer resumes 1044 - Material transfer complete with Scow SC-141 drafting 7.5 ft (previously drafting 9 ft); deckhands cleaning scows - shoveling bulk sediment into scows and washing off remainder with washdown pump 1159 - Workboat WB-39 attaches to Scow SC-135 1203 - Scow SC-135 departs from Scow SC-141 and staged at 5th pier 1210 - Tug Evelyn Doris arrives and attaches to full Scow SC-141 1226 - Tug Evelyn Doris departs with Scow SC-141 to transport to processing facility 1237 – Unhooking dredge bucket from crane 1247 – Runnerboat moving turbidity curtain and oil boom around in preparation of moving dredge barge 1259 - Picking up spuds to move dredge barge toward marina dock area 1304 – Spuds up – moving dredge barge 1313 - Dredge barge moved and spudded down in harbor lined up with mouth of marina dock area; workboat WB-39 departs to retrieve scow staged at 5th pier 1335 - Scow SC-135 arrives and successfully moored to dredge barge on starboard side 1348 – Picking up spuds to move dredge barge into marina dock area (Cell #2) 1353 – Spuds up – moving dredge barge 1517 - Dredge barge successfully moved and spudded down in Cell #2 and crew determining if depth of water and narrow width is conducive to dredging - decision made to wait until high tide (tomorrow am) to attempt clamshell bucket dredging since there is < 3 ft of water due to low tide; runnerboat stretching turbidity curtain and oil boom and staging alongside dredge barge 1524 - J. Scott receives call from Nate Price (CH2M HILL) to check on status of dredging 1532 - J. Scott receives e-mail from Brooke Harris (CH2M HILL) to check on status of dredging 1608 - Observed N. Price on shoreline taking measurements 1642 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1655 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1703 - J. Scott back at dock - end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: None HEALTH AND SAFETY REPORT ⊠ Yes П № Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes No. Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No. ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Dredge in Cell #'s 2, 3, 4, 5, and 6

FIELD OBSERVATIONS:

Planned Work for	Next Week:						
Continue dredging	g in SWMU 3						
		WASTE	ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S	WMU 3)				
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	d Disposal Activ	rites/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetir	g minutes, safety	meeting minutes,, COCs, we	eight tickets, manif	ests, profiles, rework	k item list, etc.):
knowledge the rep material used and	oort is complete work performed h the contract dr	t that to the best of my and correct and equipment and during this reporting period is awings and specifications		DEPARED S SUNATURE		3,	/11/2013
except as noted in	uns report			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

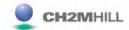
LOG DATE: 03/11/2013

REPORT NO: 12

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	01
2	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	02
3	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	03
4	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	04
5	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	05
6	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	06
7	Transferring dredged material from full Scow SC-141 to empty Scow SC-135	3/11/13	07
8	Tug Evelyn Doris assisting workboat WB-39 in removing Scow SC-135	3/11/13	08
9	Tug Evelyn Doris removing Scow SC-141	3/11/13	09
10	Shallow low tide in marina dock area around Cell #'s 1 and 2	3/11/13	10
11	Shallow low tide in marina dock area around Cell #'s 1 and 2	3/11/13	11



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/12/2013

REVISION NO: 1

	(411111			,	REVISION DATE: 03/13/2013
					REPORT NO: 13
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #2 (#3 (partial) partial)			
ONSITE SUPPORT: Jeremy Scott			START T	TIME/ END TIME:	06:10/ 17:00
AM WEATHER: mild, light rain ~55°F	PM WEATHER: mil	ld, clear ~65°F		WIND DIRECTION	V: S (10-15 mph)
	WORK FO	RCE (includes subco	ontractors	and visitors)	
Name/Company				Total Hours	Today
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting – QC Mar	nager	10			
Weldon Diggs/McLean Contracting – Site S	uperintendent	10			
Henry Thrul Jr./McLean Contracting - Oper	ator	10			
Gerald Wilson/McClean Contracting – Deck	hand	10			
Patrick Brown/McLean Contracting - Deckh	nand	10			
Tim Scott/McLean Contracting – Deckhand		10			
	SUMMA	RY OF WORK PER	RFORMEI	TODAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/N	Model/Manufacturer	Equ	uipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge					
	,		•		•

0640 - McLean Contracting dredge crew arrive and set up 0651 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0656 - J. Scott and McLean crew onboard dredge barge - getting started and setting up (NOTE: Scow SC-135 still on starboard side) 0722 - Runnerboat placed in water 0726 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0742 - Clamshell bucket rigged onto crane 0833 - Dredging begins in Cell #2 - material is mixed dark gray/black firm muck/mud with fine sand/silt and rock and gravel with no odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens and turbidity minimal and contained within turbidity curtain and oil boom 0852 - Dredging stopped to move dredge barge ahead to get to shallowest near-shore area since the tide is high; unhooking clamshell bucket from crane; J. Scott emails C. Landin, B. Harris, and N. Price (CH2M HILL) to let them know clamshell bucket is successful in removing sediment from the marina dock area 0903 – Picking up spuds to move dredge barge ahead in Cell #2 0908 – Spuds up – moving dredge barge 0919 - Dredge barge successfully repositioned and spudded down ahead in Cell #2; re-attaching clamshell bucket to crane 0922 - Near miss occurs - wet brakes on crane cause main line to free fall and clip conex box - no persons nearby 0935 - D. Davis working on HyPack 1005 – Dredging resumes in Cell #2 1056 - Scow SC-135 drafting 5 ft; no sheens observed 1106 – Light rain stops 1232 - Scow SC-135 drafting 6 ft; no sheens observed 1248 - Dredging stopped - vinyl-coated chain stuck in bucket; crew in runnerboat cutting with hacksaw 1303 – Dredging resumes in Cell #2 1308 - Dredging stopped to move dredge barge backwards due to falling tide and scow draft; suspend dredging in Cell #2 and will move to Cell #3 (approx. 365 cy of sediment dredged from Cell #2) 1320 - Picking up spuds to move dredge barge back to Cell #3 1324 – Spuds up – scow grounded; attempting to swing loose 1348 - Spuds down - scow is firmly grounded and unable to be moved with workboat WB-39 attached to dredge barge 1403 - Workboat WB-39 attaching to scow stern and crane lifting scow bow 1408 - Scow SC-135 freed; workboat WB-39 re-attaches to dredge barge 1416 – Picking up spuds to move dredge barge back to Cell #3 1420 – Spuds up – moving dredge barge 1428 - Dredge barge successfully repositioned and spudded down back in Cell #3; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 1435 – Re-adjusting scow and dredge barge lines to ensure rig stays in deeper water 1457 - Re-attaching clamshell bucket to crane 1514 – Dredging begins in Cell #3 – material is the same mixture as Cell #2 1518 - W. Diggs and P. Brown collect sediment sample for waste characterization for Bay Environmental (D. Davis will deliver sample at end of shift) 1619 - Scow SC-135 drafting 7 ft; no sheens observed 1624 - Dredging stopped - scow SC-135 is full drafting 7.5 ft (approx. 117 cy of sediment dredged from Cell #3); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1627 - Unhooking clamshell bucket from crane; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place overnight 1643 - Crane picking up runner boat 1653 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1700 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-135 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No No

FIELD OBSERVATIONS:

0610 - J. Scott at dock waiting on dredge crew

SAFETY ACTION	NS TAKEN TOD	AY (Include Observations of	any Safety Violat	tions, Corrective Instructions	Given, and Correct	tive Actions Taken)	:		
Near miss occurred	Near miss occurred when main line of crane fell due to wet brakes								
			FUTURI	E WORK					
Planned Work for t	his week:								
Dredge in Ce	ll #'s 2, 3, 4, 5, and	d 6							
Planned Work for I	Next Week:								
Continue dredging	in SWMU 3								
		WASTE	ACCUMULATI	ION/STOCKPILE AREA					
Accumulation / Stockpile Area		JEB Little Creek harbor (SV	WMU 3)						
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
		TR	ANSPORTATIO	ON AND DISPOSAL					
Transportation and	Disposal Activites	s/Summary Quantitites:							
None observed									
			ATTACI	HMENTS					
List of Attachment	s: (examples, as a	applicable: submittals, meetin	g minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	item list, etc.):		
None									
knowledge the repo material used and v	On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 3/12/2013								
cacept as noted in t	ms report			PREPARER'S SIGNATURE			DATE		



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/12/2013

REPORT NO: 13

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Deckhand rigging clamshell bucket to crane	3/12/13	01
2	Open clamshell bucket	3/12/13	02
3	Closed clamshell bucket	3/12/13	03
4	Open clamshell bucket	3/12/13	04
5	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	05
6	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	06
7	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	07
8	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	08
9	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	09
10	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	10
11	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	11
12	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	12
13	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	13
14	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	14
15	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/12/13	15
16	Dredged material (mix of mud/muck and sand/silt) in scow SC-135 (SWMU 3; Cell #2)	3/12/13	16
17	Close-up of dredged material (mix of mud/muck and sand/silt) in scow SC-135 (SWMU 3; Cell #2)	3/12/13	17
18	Close-up of dredged material (mix of mud/muck and sand/silt) in scow SC-135 (SWMU 3; Cell #2)	3/12/13	18
19	Clamshell bucket emptying dredged material into scow SC-135 (SWMU 3; Cell #2)	3/12/13	19
20	Vinyl-coated chain caught in clamshell bucket at marina dock area(SWMU 3; Cell #2)	3/12/13	20
21	Vinyl-coated chain caught in clamshell bucket at marina dock area(SWMU 3; Cell #2)	3/12/13	21
22	Close-up of dredged material on clamshell bucket	3/12/13	22
23	Close-up of dredged material on clamshell bucket	3/12/13	23
24	Dredged sediment in bucket for waste characterization sample for Bay Environmental	3/12/13	24
25	Close-up of dredged material in clamshell bucket (SWMU 3, Cell #3)	3/12/13	25
26	Dredged material (mix of mud/muck and sand/silt) in scow SC-135 (SWMU 3; Cell #3)	3/12/13	26
27	Dredged material (mix of mud/muck and sand/silt) in scow SC-135 (SWMU 3; Cell #3)	3/12/13	27
28	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/12/13	28
29	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/12/13	29



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/13/2013

REVISION NO: 0

	(ATTAC	TH ADDITIONAL SHEE	.13 IF NECE	SSARI)	REVISION DATE: N/A REPORT NO: 14
PROJECT NAME / LOCATION: JEB Littl	e Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	L	
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIE	PTION: Dredging SW	VMU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #3	(partial)			
ONSITE SUPPORT: Jeremy Scott			START 7	ΓΙΜΕ/ END TIME:	06:15/ 17:07
AM WEATHER: cool, clear ~40°F	PM WEATHER: mi	ld, clear ~65°F		WIND DIRECTION	: NW (10-15 mph)
	WORK FO	RCE (includes subco	ontractors	and visitors)	
Name/Company				Total Hours	Today
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting – QC Man	ager	10			
Weldon Diggs/McLean Contracting – Site Su	perintendent	10			
Henry Thrul Jr./McLean Contracting - Opera	ator	10			
Gerald Wilson/McClean Contracting – Deck	hand	10			
Patrick Brown/McLean Contracting - Deckh	and	10			
Tim Scott/McLean Contracting – Deckhand		10			
	SUMMA	RY OF WORK PER	RFORMEI	O TODAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/l	Model/Manufacturer	Eq	uipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge					

0615 - J. Scott at dock waiting on dredge crew 0638 - McLean Contracting dredge crew arrive and set up 0651 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0656 - J. Scott and McLean crew onboard dredge barge - getting started and setting up (NOTE: Scow SC-135 filled on 3/12/13 still on starboard side - tug company could not bring in new scow and remove this scow due to heavy winds and swales overnight; will deliver new scow this morning) 0724 - Runnerboat placed in water 0727 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0738 - Clamshell bucket rigged onto crane 0859 - Dredging begins in Cell #3 - material is mixed gray firm muck/mud with fine sand/silt and rock and gravel with no odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens and turbidity minimal and contained within turbidity curtain and oil boom 0828 - Dredging stopped - scow SC-135 is full drafting 8 ft (approx. 153 cy of sediment dredged from Cell #3); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 0856 - Workboat WB-39 attaching to scow SC-135 0903 - Workboat WB-39 departs with scow SC-135 and standing-by with it in harbor 0911 - Tug Evelyn Doris arrives and delivers empty scow SC-136 - successfully moored to dredge barge 0918 - Tug Evelyn Doris departs to take full scow SC-135 from workboat WB-39 and transport to processing facility 0925 - Workboat WB-39 back at dredge barge; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 1008 – Dredging resumes in Cell #3 1034 - Scow SC-136 drafting 3 ft; no sheens observed 1050 - W. Diggs and D. Davis depart on workboat WB-39 to pick up McLean welder at dock 1056 - W. Diggs, D. Davis, and McLean welder onboard; welder repairing cracks in environmental bucket drain vents and fixing pad eye on deck of dredge barge 1204 - Scow SC-136 drafting 4 ft; no sheens observed 1212 - Dredging stopped to move dredge barge ahead in Cell #3; unhooking clamshell bucket from crane 1225 - Picking up spuds to move dredge barge ahead in Cell #3 1232 - Spuds up - moving dredge barge 1239 - Dredge barge successfully repositioned and spudded down ahead in Cell #3; re-attaching clamshell bucket to crane 1308 – Dredging resumes in Cell #3 1333 - W. Diggs departs on workboat WB-39 to take McLean welder back to dock and drop off D. Davis (leaving for remainder of shift for meetings with McLean) 1340 - W. Diggs back onboard 1410 - Scow SC-136 drafting 4.5 ft; no sheens observed 1505 – Scow SC-136 drafting 5.25 ft; no sheens observed 1533 - Old danforth anchor dredged up and placed on bow of scow 1611 - Scow SC-136 drafting 6 ft; no sheens observed 1634 - Dredging stopped - scow SC-136 on bottom due to low tide; deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; unhooking clamshell bucket from crane 1639 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place overnight 1651 – Crane picking up runner boat 1700 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1707 - J. Scott back at dock - end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None **ACTION ITEMS/FOLLOW UP:** HEALTH AND SAFETY REPORT П № Was A Job Safety Meeting Held This Date? ⊠ Yes ⊠ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ☐ Yes No No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None **FUTURE WORK** Planned Work for this week: Dredge in Cell #'s 2, 4, 5, and 6

FIELD OBSERVATIONS:

Planned Work for	Next Week:						
Continue dredging	g in SWMU 3						
		WASTE	ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S	WMU 3)				
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	d Disposal Activ	rites/Summary Quantitites:					
None observed							
			ATTACI	HMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetin	g minutes, safety	meeting minutes,, COCs, we	eight tickets, manif	ests, profiles, reworl	c item list, etc.):
knowledge the rep material used and	oort is complete work performed h the contract dr	t that to the best of my and correct and equipment and during this reporting period is awings and specifications		Grandelis SIGNATURE		3/	/13/2013
except as noted in	uns report			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/13/2013

REPORT NO: 14

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	01
2	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	02
3	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	03
4	Dredged material (mix of mud/muck and sand/silt) in scow SC-136 (SWMU 3; Cell #3)	3/13/13	04
5	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	05
6	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	06
7	Close-up of cracked vents on environmental bucket	3/13/13	07
8	Cracked vents on environmental bucket	3/13/13	08
9	Repairing (welding) cracked vents on environmental bucket	3/13/13	09
10	Close-up of repaired (welded) cracked vents on environmental bucket	3/13/13	10
11	Repaired (welded) cracked vents on environmental bucket	3/13/13	11
12	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	12
13	Deckhand attaching clamshell bucket to crane	3/13/13	13
14	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	14
15	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	15
16	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	16
17	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/13/13	17
			J



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/14/2013

REVISION NO: 0
REVISION DATE: N/A

					REPORT NO: 15	
PROJECT NAME / LOCATION: JEB L	ittle Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3			
PROJECT MANAGER: Brooke Harris		Cell(s) Dredged: #'s 3 and 6 (remainder) #4 (partial)				
ONSITE SUPPORT: Jeremy Scott		START TIME/ END T		TIME/ END TIME:	06:14/ 17:54	
AM WEATHER: cool, clear ~35°F	PM WEATHER: coo	PM WEATHER: cool, clear ~50°F		WIND DIRECTION:	: NW (10-15 mph)	
	WORK FO	RCE (includes subc	ontractors	and visitors)		
Name/Company		Total Hours Today				
Jeremy Scott/CH2M HILL – QA Manager	•	11				
David Davis/McLean Contracting – QC M	Ianager	11				
Weldon Diggs/McLean Contracting - Site	Superintendent	11	•			
Henry Thrul Jr./McLean Contracting - Op	erator	11				
Gerald Wilson/McClean Contracting – De	ckhand	11				
Patrick Brown/McLean Contracting – Dec	khand	11				
Tim Scott/McLean Contracting – Deckhar	ıd	11				

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND										
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By							
127 ton crane with 7 cy clamshell dredge										

FIELD OBSERVATIONS: 0614- J. Scott at dock waiting on dredge crew 0642 - McLean Contracting dredge crew arrive and set up 0653 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0700 - J. Scott and McLean crew onboard dredge barge - getting started and setting up (NOTE: Scow SC-136 partially filled on 3/13/13 still on starboard side) 0736 - Old relict anchor dredged up yesterday moved from scow bow to stern deck of dredge barge along with other relict anchor (anchor is dated 1945) 0741 - Runnerboat placed in water; D. Davis reports that approx 354 cy of sediment dredged from Cell #3 yesterday afternoon in his absence 0744 - Clamshell bucket rigged onto crane; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0756 - Dredging begins in Cell #3 - material is mixed gray firm muck/mud with fine sand/silt and rock and gravel with no odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens and turbidity minimal and contained within turbidity curtain and oil boom 0809 - W. Diggs and D. Davis depart dredge barge by workboat WB-39 to pick up supplies at dock to patch Scow SC-142 which is staged at 5th pier 0857 - W. Diggs and D. Davis back onboard 0922 - Dredging stopped - dredging complete with Cell #3 and scow SC-136 is full drafting 7 ft (approx. 761 cy of sediment dredged from Cell #3; total for Cell #3 = 1,049 cy [761 cy + 288 cy]); deckhands cleaning scow – shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 0930 - Observed survey vessel S/V Starke conducting hydrographic surveys of completed cells in SWMU-3 0940 - Workboat WB-39 attaching to scow SC-136 0945 – Workboat WB-39 departs with scow SC-136 and staging it at 5th pier 0947 - Unhooking clamshell bucket from crane 1000 - Workboat WB-39 back at dredge barge 1006 - Picking up spuds to move dredge barge back to Cell #'s 4 and 6 1012 – Spuds up – moving dredge barge 1018 - Dredge barge successfully repositioned and spudded down in Cell #'s 4 and 6 1031 - Tug Evelyn Doris arrives Spuds up - moving dredge barge and delivers empty scow SC-142 - successfully moored to port side of dredge barge 1036 - Tug Evelyn Doris departs to take full scow SC-136 from 5th pier and transport to processing facility; re-attaching clamshell bucket to crane; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 1055 – D. Davis checking atmosphere with O₂ meter in inner hull of scow SC-142 for W. Diggs to be able to enter and patch small leaking hole by welding metal plate 1105 – Dredging begins in Cell #6 – materal is similar to Cell #3 1110 - Dredging stopped - GPS malfunction; D. Davis working on GPS antenna 1117 - W. Diggs welding patch inside inner hull of scow SC-142 1121 - Dredging resumes in Cell #6; GPS antenna connection repaired 1228 - Scow SC-142 drafting 5 ft; no sheens observed 1236 - W. Diggs completes repair of scow SC-142 1355 - Scow SC-142 drafting 6 ft; no sheens observed 1448 - Dredging stopped to move dredge barge ahead in Cell #4; dredging complete in Cell #6 (approx. 450 cy of sediment dredged from Cell #6; total for Cell #6 = 943 cy [450 cy + 493 cy]); unhooking clamshell bucket from crane 1459 - Picking up spuds to move dredge barge ahead in Cell # 4 1503 – Spuds up – moving dredge barge 1509 - Dredge barge successfully repositioned and spudded down ahead in Cell #4 1522 – Dredging resumes in Cell #4 1545 - Scow SC-142 drafting 7 ft; no sheens observed 1643 - Scow SC-142 drafting 7.5 ft; no sheens observed; W. Diggs and P. Brown collect sediment sample for waste characterization for Bay Environmental (D. Davis will deliver sample at end of shift) 1658 - Dredging stopped - scow SC-142 full drafting 7.5 ft (approx. 412 cy of sediment dredged from Cell #4); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1719 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place over weekend 1737 - Crane picking up runner boat 1747 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1754 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-136 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ⊠ Yes ☐ No Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No

McLean)

(If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean)

Was Hazardous N	Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)							
SAFETY ACTIO	ONS TAKEN T	ODAY (Include Observations of	any Safety Viola	tions, Corrective Instructions	Given, and Correct	etive Actions Taken)):	
SBO completed								
			FUTUR	E WORK				
Planned Work for	r this week:							
Dredge in C	Cell #'s 2, 4, and	5						
Planned Work for	r Next Week:							
Continue dredgin	ng in SWMU 3; p	possibly move into SWMU 7b						
		WASTE	ACCUMULAT	ION/STOCKPILE AREA				
Accumulation / Stockpile Area		JEB Little Creek harbor (SV	WMU 3)					
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0	
Notes:								
		TR	ANSPORTATIO	ON AND DISPOSAL				
Transportation ar	nd Disposal Activ	vites/Summary Quantitites:						
None observed								
			ATTAC	HMENTS				
List of Attachmen	nts: (examples,	as applicable: submittals, meeting	g minutes, safety	meeting minutes,, COCs, we	eight tickets, manif	ests, profiles, rewor	k item list, etc.):	
None								
knowledge the re material used and	port is complete l work performe	at that to the best of my and correct and equipment and d during this reporting period is		ger do	_	3	/14/2013	
in compliance wi except as noted in		rawings and specifications		PREPARER'S SIGNATURE	MUN		DATE	
	r							



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/14/2013

REPORT NO: 15

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Old relict anchor dredged up near marina docks	3/14/13	01
2	Old relict anchor dredged up near marina docks	3/14/13	02
3	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/14/13	03
4	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/14/13	04
5	Dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	3/14/13	05
6	Deckhand using cutting torch to fabricate metal patch for leaking scow SC-142	3/14/13	06
7	Close-up of material in scow SC-136	3/14/13	07
8	Clamshell bucket placing material in scow SC-136 (SWMU 3; Cell #3)	3/14/13	08
9	Clamshell bucket placing material in scow SC-136 (SWMU 3; Cell #3)	3/14/13	09
10	Clamshell bucket placing material in scow SC-136 (SWMU 3; Cell #3)	3/14/13	10
11	Survey vessel S/V Starke conducting hydrographic survey in completed cells	3/14/13	11
12	Survey vessel S/V Starke conducting hydrographic survey in completed cells	3/14/13	12
13	Old relict anchor dredged up near marina docks	3/14/13	13
14	Old relict anchor dredged up near marina docks	3/14/13	14
15	Deckhands deploying turbidity curtain and oil boom near dry dock area (SWMU 3, Cell #4)	3/14/13	15
16	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	16
17	D. Davis repairing GPS antenna	3/14/13	17
18	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	18
19	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	19
20	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	20
21	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	21
22	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	22
23	Dredging in Cell #6 with clamshell bucket (SWMU 3; Cell #6)	3/14/13	23
24	Dredging in Cell #6 with clamshell bucket – marina trash in bucket (SWMU 3; Cell #6)	3/14/13	24
25	Dredging in Cell #6 with clamshell bucket – marina trash in bucket (SWMU 3; Cell #6)	3/14/13	25
26	Dredging in Cell #6 with clamshell bucket – marina trash in bucket (SWMU 3; Cell #6)	3/14/13	26
27	Dredging in Cell #4 with clamshell bucket – showing low tide shallow areas (SWMU 3; Cell #4)	3/14/13	27
28	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/14/13	28
29	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/14/13	29
30	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/14/13	30
			1



None

DAILY REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/18/2013

REVISION NO: 1

REVISION DATE: 03/25/2013

				REPORT NO: 16
PROJECT NAME / LOCATION: JEB Littl	e Creek SWMU 3 and	SWMII 7h / Virginia R	each VA	KEI OKI NO. 10
PROJECT NUMBER: 457901.CE.GN		TION: Dredging SWA		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: non		10 3	
ONSITE SUPPORT: Jeremy Scott	Celi(s) Dredged. Holi		START TIME/ END TIME:	06:15/ 08:56
•	PM WEATHER: N/		WIND DIRECTION:	
AM WEATHER: cool, light rain ~40°F				NE (13-20 mpn)
	WORK FO	RCE (includes subcon	,	
Name/Company			Total Hours T	oday
Jeremy Scott/CH2M HILL – QA Manager		2		
David Davis/McLean Contracting – QC Mar		2		
Weldon Diggs/McLean Contracting – Site St		2		
Henry Thrul Jr./McLean Contracting – Opera		2		
Gerald Wilson/McClean Contracting – Deck		2		
Patrick Brown/McLean Contracting – Deckh	and	2		
Tim Scott/McLean Contracting – Deckhand		2		
	SUMMA	RY OF WORK PERF	ORMED TODAY	
EQUIPMENT ON HAND				
Description of Equipment	Make/N	Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge				
0615– J. Scott at dock waiting on dredge cre 0645 – McLean Contracting dredge crew arr 0655 – McLean crew and J. Scott depart doc 0700 – J. Scott and McLean crew onboard dr 0752 – Workboat WB-39 departs to check or 30 mph may keep crew from being al 0801 – Runnerboat placed in water; refueling 0805 – Workboat WB-39 returns; D. Davis c 0809 – Runnerboat greasing head pulley of b 0825 – Runnerboat completed with greasing 0830 – Crane picking up runner boat 0835 – Decision made by McLean Contracting barge to remain in place overnight 0847 – Dredge crew and J. Scott depart dred 0856 – J. Scott back at dock – end of day	ive and set up k by workboat WB-39 redge barge – getting st n Scow SC-141 staged ole to move empty scov g crane complete consulting with tug com one one ng to not dredge today	arted and setting up; ref at 5 th pier and gauge abi v alongside dredge barg apany and checking fore due to high winds – wil	lity to move scow (NOTE: sustate due to close proximity to marin cast on internet	a and docks)
DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CON				
High winds prevent workboat from mo DISCUSSION NOTES:	ving scow alongside di	edge barge – dredging v	will resume tomorrow	
None				
ACTION ITEMS/FOLLOW UP:				
None				
		HEALTH AND SAFI	ETY REPORT	
Was A Job Safety Meeting Held This Date?	(If V + 1	f1-4-1 OGITA		Yes No
Were there any lost-time accidents this date? Was a Confined Space Entry Permit Adminis				Yes No
Was Crane/Manlift/Trenching/Scaffold/HV			ренин)	☐ Yes ☒ No ☒ Yes (by ☐ No
(If Yes, attach statement or checklist showing			cklist performed by McLean)	McLean)
Was Hazardous Material/Waste Released int	o the Environment? (If	Yes, attach description	of incident and proposed action)	
SAFETY ACTIONS TAKEN TODAY (In	clude Observations of a	any Safety Violations, C	forrective Instructions Given, and	Corrective Actions Taken):

FUTURE WORK							
Planned Work for this week:							
Dredge in Ce	ll #'s 2, 4, 5, and	8					
Planned Work for I	Next Week:						
Continue dredging	in SWMU 3 if ne	cessary; possibly move into SV	VMU 7b				
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	VMU 3)				
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	N AND DISPOSAL			
Transportation and	Disposal Activité	es/Summary Quantitites:					
None observed							
ATTACHMENTS							
List of Attachment None	s: (examples, as	applicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	item list, etc.):
knowledge the repo material used and v	ort is complete and work performed d	nat to the best of my d correct and equipment and uring this reporting period is vings and specifications		Des la	_	3/	18/2013
except as noted in t	his report						



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/18/2013

REPORT NO: 16

PROJECT	NAME / LOCATION: JEB Litt	le Creek SWMU 3 and SWMU 7b / Virginia	Beach, VA		
	NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Dredging SV			
PROJECT	MANAGER: Brooke Harris		ONSITE SUPPORT: Jeremy Scott		
Picture #		Photo Description/Loc	ation	Date	Daily Log #
				 -	



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/19/2013

REVISION NO: 1

REVISION DATE: 03/20/2013

				REVISION DATE: 03/20/2013	
				REPORT NO: 17	
PROJECT NAME / LOCATION: JEB Little	e Creek SWMU 3 and S	WMU 7b / Virginia B	each, VA		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIPT	ION: Dredging SWM	ИU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #4 (re	emainder)			
ONSITE SUPPORT: Jeremy Scott		:	START TIME/ END TIME:	06:10/ 16:10	
AM WEATHER: cool, overcast ~45°F	PM WEATHER: mild	l, clear ~55°F	WIND DIRECTION: NE (10-15 mph)		
	WORK FOR	CE (includes subcon	tractors and visitors)		
Name/Company	ompany Total Hours Today			Гоday	
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting - QC Mar	nager	10			
Weldon Diggs/McLean Contracting – Site S	uperintendent	10			
Henry Thrul Jr./McLean Contracting - Oper	Henry Thrul Jr./McLean Contracting – Operator 10				
Gerald Wilson/McClean Contracting – Deckhand		10			
Patrick Brown/McLean Contracting – Deckhand		10			
Tim Scott/McLean Contracting – Deckhand		10			
	SUMMAR	RY OF WORK PERF	ORMED TODAY		
EQUIPMENT ON HAND					
Description of Equipment	Make/M	odel/Manufacturer	Equipment ID Number	Calibration Performed By	

0635 - McLean Contracting dredge crew arrive and set up 0653 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0658 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0718 – Runnerboat placed in water 0720 - Workboat WB-39 departs to retrieve scow staged at 5th pier 0746 - Scow SC-141 arrives and successfully moored to port side of dredge barge 0753 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0829 - Crane picking up runner boat - mechanics will be onboard today to exchange outboard motors on runnerboat 0834 - Clamshell bucket rigged onto crane 0842 - Dredging begins in Cell #4 - material is mixed gray firm muck/mud with fine sand/silt and rock and gravel with no odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens and turbidity minimal and contained within turbidity curtain and oil boom 0931 - Two McLean mechanics onboard exchanging outboard motors on runnerboat 0942 - Scow SC-141 drafting 4.5'; minor sheen observed - contained within turbidity curtain and oil boom 0946 - McLean mechanics depart 1027 - Dredging stopped to move dredge barge ahead in Cell #4 1039 - Runnerboat placed in water 1043 - Picking up spuds to move dredge barge ahead in Cell # 4 1049 – Spuds up – moving dredge barge 1118 - Dredge barge successfully repositioned and spudded down ahead in Cell # 4; re-attaching clamshell bucket to crane 1128 – Dredging resumes in Cell #4 1201 - W. Diggs and D. Davis depart on workboat WB-39 to recon Pier 19 re-dredge area and SWMU-7b area 1214 – Scow SC-141 drafting 6; minor sheen observed – contained within turbidity curtain and oil boom 1231 - W. Diggs and D. Davis back onboard 1240 - W. Diggs and D. Davis collect some dredged sediment in 5-gallon bucket to weigh at end of shift to determine if dredged volume calculations in scow displacement spreadsheet is the same with this firmer sand/silt material as it was with the softer muck/mud material 1317 - Third relict anchor dredged up and placed on scow apron (exactly same as 2nd danforth-style anchor dredged up) 1330 - Scow SC-141 drafting 7; no sheens observed 1407 - Dredging stopped - dredging complete with Cell #4 and scow SC-141 full drafting 8 ft (approx. 730 cy of sediment dredged from Cell #4; total for Cell #4 = 1,379 cy [730 cy + 649 cy] - NOTE: still may not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1417 - Unhooking clamshell bucket from crane, runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1423 - Tug Hoss arrives and staging empty scow at 5th pier 1433 - Relict anchor moved to stern deck of dredge barge; crew staging dredge barge to remain in place overnight 1438 - W. Diggs and D. Davis depart on workboat WB-39 to pick up supplies at dock 1453 – W. Diggs and D. Davis back onboard 1519 - Tug Hoss arrives and attaches to scow SC-141 1524 - Tug Hoss departs with scow SC-141 1532 - Picking up spuds to move dredge barge ahead to Cell # 2 1537 - Spuds up - moving dredge barge 1542 - Dredge barge successfully repositioned and spudded down ahead in Cell # 2 1550 - Crane picking up runner boat 1602 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1610 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-141 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No No

FIELD OBSERVATIONS:

0610- J. Scott at dock waiting on dredge crew

SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):						
f Drums	0					
files, rework i	item list, etc.):					
	9/2013 DATE					
	3/1					



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/19/2013 REPORT NO: 17

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Date Date			1	
2 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 02 3 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 03 4 Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) 3/19/13 04 5 Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) 3/19/13 05 6 Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) 3/19/13 06 7 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 07 8 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 08 9 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from mar		Photo Description/Location	Date	
3 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 03	1	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	01
Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) Minor oil sheen observed during dredging (SWMU 3; Cell #4) Minor oil sheen observed during dredging (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket - debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket - debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket - debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket - debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket - debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket - debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell	2	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	02
5 Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) 3/19/13 05 6 Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) 3/19/13 06 7 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 07 8 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 08 9 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell b	3	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	03
6 Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4) 3/19/13 06 7 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 07 8 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 08 9 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 16 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	4	Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4)	3/19/13	04
7 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 07 8 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 08 9 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 09 10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket —debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket —debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket —debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket —debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 17 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 18 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) <td>5</td> <td>Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4)</td> <td>3/19/13</td> <td>05</td>	5	Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4)	3/19/13	05
8 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 08 9 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 09 10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 17 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 18 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 20 20 Close-up of material being collected to gauge weight (SWM	6	Dredging in Cell #4 with clamshell bucket – deckhands holding back turbidity curtain/oil boom on shore (SWMU 3; Cell #4)	3/19/13	06
9 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 09 10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 17 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 18 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 19 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 20 <	7	Minor oil sheen observed during dredging (SWMU 3; Cell #4)	3/19/13	07
10 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 10 11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 17 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 18 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 19 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 20 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 22 22 Close-up of material being colle	8	Minor oil sheen observed during dredging (SWMU 3; Cell #4)	3/19/13	08
11 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 11 12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 17 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 18 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 19 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 20 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 21 22 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 22 23 Close-up of material	9	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	09
12 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 12 13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 13 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 14 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 15 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 3/19/13 16 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 3/19/13 17 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 18 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 3/19/13 19 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 20 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 21 22 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 22 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 23 24 Close-up o	10	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	10
13 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 14 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 22 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 25 Old relict anchor dredged up near marina docks 26 Old relict anchor dredged up near marina docks 3/19/13 26	11	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	11
Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) Minor oil sheen observed during dredging (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 25 Old relict anchor dredged up near marina docks 3/19/13 26	12	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	12
15 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 16 Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4) 17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 22 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 25 Old relict anchor dredged up near marina docks 26 Old relict anchor dredged up near marina docks 3/19/13 26	13	Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4)	3/19/13	13
16Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4)3/19/131617Minor oil sheen observed during dredging (SWMU 3; Cell #4)3/19/131718Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)3/19/131819Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)3/19/131920Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132021Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132122Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132223Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132324Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132425Old relict anchor dredged up near marina docks3/19/132526Old relict anchor dredged up near marina docks3/19/1326	14	Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4)	3/19/13	14
17 Minor oil sheen observed during dredging (SWMU 3; Cell #4) 18 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 22 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 25 Old relict anchor dredged up near marina docks 3/19/13 25 26 Old relict anchor dredged up near marina docks 3/19/13 26	15	Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4)	3/19/13	15
Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 25 Old relict anchor dredged up near marina docks 3/19/13 25 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24	16	Dredging in Cell #4 with clamshell bucket – debris from marina docks (SWMU 3; Cell #4)	3/19/13	16
19 Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4) 20 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 21 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 22 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 23 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 25 Old relict anchor dredged up near marina docks 3/19/13 25 26 Old relict anchor dredged up near marina docks 3/19/13 26	17	Minor oil sheen observed during dredging (SWMU 3; Cell #4)	3/19/13	17
Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 25 Old relict anchor dredged up near marina docks 3/19/13 25 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 24 Close-up of material being collected to gauge weight (SWMU 3; Cell #4) 3/19/13 25 Close-up of material being collected to gauge weight (SWMU 3; Cell #4)	18	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	18
21Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132122Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132223Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132324Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132425Old relict anchor dredged up near marina docks3/19/132526Old relict anchor dredged up near marina docks3/19/1326	19	Dredging in Cell #4 with clamshell bucket (SWMU 3; Cell #4)	3/19/13	19
22Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132223Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132324Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132425Old relict anchor dredged up near marina docks3/19/132526Old relict anchor dredged up near marina docks3/19/1326	20	Close-up of material being collected to gauge weight (SWMU 3; Cell #4)	3/19/13	20
23Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132324Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132425Old relict anchor dredged up near marina docks3/19/132526Old relict anchor dredged up near marina docks3/19/1326	21	Close-up of material being collected to gauge weight (SWMU 3; Cell #4)	3/19/13	21
24Close-up of material being collected to gauge weight (SWMU 3; Cell #4)3/19/132425Old relict anchor dredged up near marina docks3/19/132526Old relict anchor dredged up near marina docks3/19/1326	22	Close-up of material being collected to gauge weight (SWMU 3; Cell #4)	3/19/13	22
25Old relict anchor dredged up near marina docks3/19/132526Old relict anchor dredged up near marina docks3/19/1326	23	Close-up of material being collected to gauge weight (SWMU 3; Cell #4)	3/19/13	23
26 Old relict anchor dredged up near marina docks 3/19/13 26	24	Close-up of material being collected to gauge weight (SWMU 3; Cell #4)	3/19/13	24
	25	Old relict anchor dredged up near marina docks	3/19/13	25
All 3 relict anchors dredged up 3/19/13 27	26	Old relict anchor dredged up near marina docks	3/19/13	26
	27	All 3 relict anchors dredged up	3/19/13	27



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/20/2013

REVISION NO: 0

	(ADDITIONAL SILLETS II ALCESSART)			REVISION DATE: N/A	
					REPORT NO: 18
PROJECT NAME / LOCATION: JEB Lit	tle Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	1	
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #2 (partial)			
ONSITE SUPPORT: Jeremy Scott			START TIM	E/ END TIME:	06:10/ 16:08
AM WEATHER: cool, clear ~40°F	PM WEATHER: mi	ld, clear ~55°F	W	IND DIRECTION:	NW (5-10 mph)
	WORK FO	RCE (includes subco	ontractors and	visitors)	
Name/Company	_			Total Hours	Гoday
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting – QC Ma	nager	10			
Weldon Diggs/McLean Contracting – Site S	Superintendent	10			
Henry Thrul Jr./McLean Contracting – Ope	rator	10			
Gerald Wilson/McClean Contracting – Decl	khand	10			
Patrick Brown/McLean Contracting – Deck	hand	7			
Tim Scott/McLean Contracting – Deckhand	1	10		•	
	SUMMA	RY OF WORK PER	RFORMED TO	ODAY	
EQUIPMENT ON HAND					
Description of Equipment Make/M		Model/Manufacturer	Equipn	nent ID Number	Calibration Performed By
		<u> </u>		•	

0615- J. Scott at dock waiting on dredge crew 0636 - McLean Contracting dredge crew arrive and set up 0651 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0656 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; (NOTE: D. Davis reports that after calculating sample bucket weight collected yesterday and extrapolating yardage from yesterday, the actual dredge volume estimation from Cell #4 is likely closer to 730 cy dredged [as compared to 964 cy reported yesterday] - therefore the firm sandy material is heavier than the soft muck/mud and will affect estimated dredge volumes of Cell #'s 2, 3, 4, 5, and 6) 0712 - Runnerboat placed in water; runnerboat stretching out turbidity curtain and oil boom 0745 – Workboat WB-39 departs to retrieve scow staged at 5th pier 0747 - J. Scott sends e-mail to Cecilia Landin, Brooke Harris, and Nate Price (CH2M HILL) regarding schedule - D. Davis anticipates completion of SWMU 3 this week or early next week and then Pier 19 re-dredge to only last 1-2 days which means dredging could start in SWMU 7b as early as late next week 0806 - Scow SC-135 arrives and successfully moored to port side of dredge barge 0815 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0824 - Clamshell bucket rigged onto crane 0837 - Dredging begins in Cell #2 - material is mixed gray firm muck/mud with fine sand/silt and rock and gravel with slight sulfur odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens and turbidity minimal and contained within turbidity curtain and oil boom 0850 - W. Diggs departs on workboat WB-39 to drop D. Davis off at dock to go to McLean for meetings 0858 - C. Landin e-mails J. Scott stating that dredge elevations and figures have been developed for SWMU 7b 0933 - Scow SC-135 drafting 4'; no sheens observed 0954 - W. Diggs back onboard 1032 – Scow SC-135 drafting 5'; no sheens observed 1123 - Scow SC-135 drafting 6'; minor sheen observed - contained within turbidity curtain and oil boom 1155 – Tug Hoss arrives and staging empty scow at 5th pier 1221 – W. Diggs departs on workboat WB-39 to pick up D. Davis at dock 1232 - W. Diggs and D. Davis back onboard 1246 - Scow SC-135 drafting 7'; minor sheen observed - contained within turbidity curtain and oil boom 1258 - W. Diggs departs on workboat WB-39 to drop P. Brown off at dock to go to an appointment 1320 – W. Diggs back onboard 1405 – Dredging stopped – scow SC-135 full drafting 7.5 ft (approx. 813 cy of sediment dredged from Cell #2; current total for Cell #2 = 1,178 cy [813 cy + 365 cy] – NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1451 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1504 - Tug Hoss arrives and attaches to scow SC-135; unhooking clamshell bucket from crane 1508 – Tug Hoss departs with scow SC-135 1518 - Picking up spuds to move dredge barge ahead in Cell # 2 1524 – Spuds up – moving dredge barge 1535 - Dredge barge successfully repositioned and spudded down ahead in Cell # 2; crew staging dredge barge to remain in place overnight 1548 - Crane picking up runner boat 1600 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1608 - J. Scott back at dock - end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None **ACTION ITEMS/FOLLOW UP:** Review that scow SC-135 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT П № Was A Job Safety Meeting Held This Date? ⊠ Yes ⊠ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ☐ Yes No No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None **FUTURE WORK** Planned Work for this week: Dredge in Cell #'s 2, 5, and 8

FIELD OBSERVATIONS:

Planned Work for	Next Week:						
Continue dredging	in SWMU 3 if	necessary; possibly move into S	WMU 7b				
		WASTE	ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S	WMU 3)		_		
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	l Disposal Activ	vites/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachment	s: (examples,	as applicable: submittals, meetir	g minutes, safety	meeting minutes,, COCs, we	eight tickets, manif	ests, profiles, reworl	c item list, etc.):
None							
knowledge the rep material used and	ort is complete work performed	t that to the best of my and correct and equipment and during this reporting period is rawings and specifications		Jes de		3/	/20/2013
except as noted in		awings and specifications		PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/20/2013 REPORT NO: 18

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture	Photo Description/Location	Date	Daily
#			Log #
1	Showing dredge line at edge of water (SWMU 3; Cell #2)	3/20/13	01
2	Showing dredge line at edge of water (SWMU 3; Cell #2)	3/20/13	02
3	Showing dredge line at edge of water (SWMU 3; Cell #2)	3/20/13	03
4	Runnerboat deploying turbidity curtain and oil boom (SWMU 3; Cell #2)	3/20/13	04
5	Deployed turbidity curtain and oil boom along shoreline (SWMU 3; Cell #2)	3/20/13	05
6	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	06
7	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	07
8	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	08
9	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	09
10	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	10
11	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	11
12	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	12
13	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	13
14	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	14
15	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	15
16	Minor oil sheen observed during dredging (SWMU 3; Cell #2)	3/20/13	16
17	Minor oil sheen observed during dredging (SWMU 3; Cell #2)	3/20/13	17
18	Minor oil sheen observed during dredging (SWMU 3; Cell #2)	3/20/13	18
19	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	19
20	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/20/13	20
21	Dredged sediment in scow SC-135 (SWMU 3; Cell #2)	3/20/13	21
22	Dredged sediment in scow SC-135 (SWMU 3; Cell #2)	3/20/13	22
23	Clamshell bucket placing dredged sediment in scow SC-135 (SWMU 3; Cell #2)	3/20/13	23
24	Clamshell bucket placing dredged sediment in scow SC-135 (SWMU 3; Cell #2)	3/20/13	24
25	Clamshell bucket placing dredged sediment in scow SC-135 (SWMU 3; Cell #2)	3/20/13	25
26	Clamshell bucket placing dredged sediment in scow SC-135 (SWMU 3; Cell #2)	3/20/13	26



SBO completed

DAILY REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

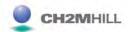
REPORT DATE: 03/21/2013

REVISION NO: 1

REVISION DATE: 03/22/2013

				REPORT NO: 19			
PROJECT NAME / LOCATION: JEB Little	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA				
PROJECT NUMBER: 457901.CE.GN	l	PTION: Dredging SW					
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: nor	ne					
ONSITE SUPPORT: Jeremy Scott			START TIME/ END TIME:	06:10/ 09:16			
AM WEATHER: cold, clear ~35°F	PM WEATHER: N	/A	WIND DIRECTION	N: NW (15-20 mph)			
	WORK FO	ORCE (includes subco	ntractors and visitors)				
Name/Company		T	Total Hours	Today			
Jeremy Scott/CH2M HILL – QA Manager		2					
David Davis/McLean Contracting – QC Mar	nager	2					
Weldon Diggs/McLean Contracting – Site S	uperintendent	2					
Henry Thrul Jr./McLean Contracting – Open		2					
Gerald Wilson/McClean Contracting – Deck		2					
Patrick Brown/McLean Contracting – Deckh		2					
Tim Scott/McLean Contracting – Deckhand		2					
	SUMMA	ARY OF WORK PER	FORMED TODAY				
EQUIPMENT ON HAND	2 2 3 3 3 3 3						
Description of Equipment	Make/	Model/Manufacturer	Equipment ID Number	Calibration Performed By			
127 ton crane with 7 cy clamshell dredge			-1F				
12) ton orane wan y cy clambion areage							
winds and close proximity to marina 0756 – After checking forecast and consider of 15-20 mph with gusts 25-30 mph) runnerboat staging oil boom and turb 0802 – J. Scott sent e-mail to C. Landin, B. I. 0816 – Dredge crew performing O&M activit 0854 – Crane picking up runner boat 0904 – Dredge crew and J. Scott depart dred 0916 – J. Scott back at dock – end of day	ive and set up k by workboat WB-39 redge barge – getting s and oil boom around i and docks preventing ing current conditions, – will work Friday and idity curtain alongside Harris, and N. Price (C ities	n anticipation of movin completion of Cell #2 a decision made by McI d Saturday (3/22 – 3/23 d dredge barge H2M HILL) to update	at this time Lean Contracting not to dredge to this week; crew staging dredge them on current schedule	and moving scow to starboard side due to high oday due to high winds (sustained NW winds barge to remain in place over weekend;			
DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CON							
High winds prevent workboat from mo DISCUSSION NOTES:	ving scow alongside d	redge barge – dredging	will resume tomorrow				
None							
ACTION ITEMS/FOLLOW UP: None							
		HEALTH AND SAI	FETY REPORT				
Was A Job Safety Meeting Held This Date?	4637			∑ Yes ☐ No			
Were there any lost-time accidents this date?				Yes No			
Was a Confined Space Entry Permit Admini Was Crane/Manlift/Trenching/Scaffold/HV			n permit)	☐ Yes ☒ No ☒ Yes (by ☐ No			
(If Yes, attach statement or checklist showin			ecklist performed by McLean)	∑ Yes (by □ No McLean)			
Was Hazardous Material/Waste Released int	o the Environment? (I	f Yes, attach description	n of incident and proposed action				
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):							

			FUTUR	E WORK			
Planned Work for	this week:						
Dredge in Ce	11 #'s 2, 5, and 8	3					
Planned Work for	Next Week:						
Continue dredging	in SWMU 3 if	necessary; possibly move into S	SWMU 7b				
		WASTI	E ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / JEB Little Creek harbor (SWMU 3) Stockpile Area							
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TI	RANSPORTATIO	ON AND DISPOSAL			
Transportation and	Disposal Activ	ites/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachment	s: (examples, a	as applicable: submittals, meetin	ng minutes, safety	meeting minutes,, COCs, we	ight tickets, manife	ests, profiles, rework	titem list, etc.):
None							
knowledge the repo	ort is complete a	that to the best of my		Oz-Lo			
		during this reporting period is awings and specifications		70		3/	21/2013
except as noted in		<i>G</i>		PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/21/2013

REPORT NO: 19

PROJECT	NAME / LOCATION: JEB Litt	le Creek SWMU 3 and SWMU 7b / Virginia	Beach, VA		
PROJECT	NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Dredging SV			
PROJECT	MANAGER: Brooke Harris		ONSITE SUPPORT: Jeremy Scott		
Picture #		Photo Description/Loc	ation	Date	Daily Log #



REPORT DATE: 03/22/2013

REVISION NO: 0

	(ATTAC	H ADDITIONAL SHEE	REVISION NO: 0 REVISION DATE: N/A REPORT NO: 20			
PROJECT NAME / LOCATION: JEB Little	e Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	<u> </u>		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	VMU 3			
PROJECT MANAGER: Brooke Harris		remainder) partial) and #7 (re-dredge)				
ONSITE SUPPORT: Jeremy Scott			START 7	TIME/ END TIME:	06:08/ 17:15	
AM WEATHER: cold, clear ~30°F	PM WEATHER: col	d, clear ~45°F		WIND DIRECTION:	W (10-15 mph)	
	WORK FO	RCE (includes subc	ontractors	and visitors)		
Name/Company				Total Hours	Гоdау	
Jeremy Scott/CH2M HILL – QA Manager		10				
David Davis/McLean Contracting - QC Man	ager	10				
Weldon Diggs/McLean Contracting – Site Su	perintendent	10				
Henry Thrul Jr./McLean Contracting - Opera	tor	10				
Gerald Wilson/McClean Contracting – Deckl	nand	10				
Patrick Brown/McLean Contracting – Deckh	and	10				
Tim Scott/McLean Contracting – Deckhand		10				
	SUMMA	RY OF WORK PE	RFORMEI	O TODAY		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Eq	uipment ID Number	Calibration Performed By	
127 ton crane with 7 cy clamshell dredge and environmental dredge	16 cy					

FIELD OBSERVATIONS: 0608- J. Scott at dock waiting on dredge crew 0640 - McLean Contracting dredge crew arrive and set up 0647 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0652 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0708 – Runnerboat placed in water 0714 - Runnerboat stretching turbidity curtain and oil boom out to move scow into marina dock area 0732 – Workboat WB-39 departs to retrieve scow staged at 5th pier 0755 – Scow SC-136 arrives and successfully moored to port side of dredge barge 0803 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge; clamshell bucket rigged onto crane 0818 - Dredging begins in Cell #2 - material is mixed gray firm muck/mud with fine sand/silt and rock and gravel with slight sulfur odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens and turbidity minimal and contained within turbidity curtain and oil boom 0854 - Runnerboat replacing old saturated oil boom sections with new boom - old boom sections staged on stern deck of dredge barge to dry out 0937 - Scow SC-136 drafting 3.5'; no sheens observed 1005 – Dredging stopped – dredging complete with Cell #2 (approx. 293 cy of sediment dredged from Cell #2; current total for Cell #2 = 1,471 cy [293 cy + 1,178 cy] – NOTE: likely not accurate); D. Davis washing minor mud splatter off adjacent pleasure craft hull at marina dock 1008 - Runnerboat picking up turbidity curtain and oil boom and staging near shore and along marina docks; dredge crew will have to remove scow SC-136 and stage at 5th pier to be able to move dredge barge back to Cell #5 because of close proximity to marina docks 1022 - Workboat WB-39 attaches to scow SC-136 1027 - Workboat WB-39 departs with scow SC-136 to stage at 5th pier 1045 - Workboat WB-39 back and attaching to dredge barge; unhooking clamshell bucket from crane 1058 - Picking up spuds to move dredge barge back to Cell #5; D. Davis back on board and completed cleaning off pleasure craft 1103 - Spuds up - attepting to move dredge barge; dredge barge grounded on starboard bow 1105 - Dredge barge freed and moving to Cell #5 1123 - Dredge barge successfully repositioned and spudded down in Cell # 5; workboat WB-39 departs to retrieve scow SC-136 staged at 5th pier 1151 – Scow SC-136 arrives and successfully moored to port side of dredge barge 1202 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge - having difficulty since tide ran out and curtain partially on dry bottom now 1211 - Clamshell bucket rigged onto crane; workboat WB-39 assisting runnerboat in pulling turbidity curtain and oil boom off dry bottom 1234 - Dredging begins in Cell #5 - material is dark gray/black soft muck/mud with some intermittent fine sand/silt with slight sulfur odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); no sheens observed 1259 – Dredging stopped – unhooking clamshell bucket from crane 1307 - Environmental bucket (16 cy) rigged onto crane 1317 – Dredging resumes in Cell #5 1326 - Scow SC-136 drafting 4.5'; no sheens observed 1421 – Scow SC-136 drafting 5.5'; no sheens observed 1425 - W. Diggs departs on workboat WB-39 to take trash to docks 1437 – W. Diggs back onboard 1510 - Dredging stopped - D. Davis, W. Diggs, and H. Thrul checking calibration of GPS and Hypack because penetration elevations shown for the area dredge barge currently located is already at desired elevation indicated a discrepency with hydrographic survey 1519 - Environmental bucket placed on deck; D. Davis painting depth marks on crane lines to ensure dredge elevation is correct 1541 – Dredging resumes in Cell #5; scow SC-136 drafting 6.25'; no sheens observed 1623 - Tug Hoss arrives and staging empty scow at 5th pier 1629 - Dredging stopped - scow SC-136 full drafting 7 ft (approx. 695 cy of sediment dredged from Cell #5; approx. 131 cy re-dredged from Cell #7; approx. 32 cy redredged from Cell #6);deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1631 – Unhooking environmental bucket from crane 1640 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1645 - Tug Hoss arrives and attaches to scow SC-136 1652 - Tug Hoss departs with scow SC-136; crew staging dredge barge to remain in place overnight 1702 – Crane picking up runner boat 1709 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1715 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: N/A DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-136 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? X Yes ☐ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No No

Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)											
Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done?											
	(If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) McLean)										
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)											
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):											
None											
FUTURE WORK											
Planned Work for t	his week:										
Dredge in Cel	ll #'s 5 and 8; re-d	redge as necessary in SWMU	3 based on bathy	metric survey							
Planned Work for N	Next Week:										
Continue dredging in SWMU 3 if necessary; possibly move into SWMU 7b											
WASTE ACCUMULATION/STOCKPILE AREA											
Accumulation / Stockpile Area		JEB Little Creek harbor (SWMU 3)									
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0				
Notes:											
		TRA	NSPORTATIO	N AND DISPOSAL							
Transportation and	Disposal Activites	s/Summary Quantitites:									
None observed											
			ATTACE	IMENTS							
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes,, COCs, wei	ght tickets, manife	ests, profiles, rework	item list, etc.):				
None											
knowledge the repo material used and w in compliance with	On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report PREPARER'S SIGNATURE DATE										



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/22/2013

REPORT NO: 20

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

		_	
Picture #	Photo Description/Location	Date	Daily Log #
1	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/22/13	01
2	Shallow area in Cell #2 – showing outfall pipe and deployed turbidity curtain (SWMU 3; Cell #2)	3/22/13	02
3	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/22/13	03
4	Dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2)	3/22/13	04
5	D. Davis cleaning mud splatter off pleasure craft at marina docks (SWMU 3; Cell #2)	3/22/13	05
6	Showing turbidity curtain and oil boom on dry ground during low tide (SWMU 3; Cell #2)	3/22/13	06
7	Runnerboat removing turbidity curtain and oil boom from dry ground during low tide (SWMU 3; Cell #2)	3/22/13	07
8	Runnerboat removing turbidity curtain and oil boom from dry ground during low tide (SWMU 3; Cell #2)	3/22/13	08
9	Dredging in Cell #5 with clamshell bucket (SWMU 3; Cell #5)	3/22/13	09
10	Dredging in Cell #5 with clamshell bucket (SWMU 3; Cell #5)	3/22/13	10
11	Dredging in Cell #5 with clamshell bucket (SWMU 3; Cell #5)	3/22/13	11
12	Deckhand unhooking clamshell bucket from crane	3/22/13	12
13	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/22/13	13
14	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/22/13	14
15	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/22/13	15
16	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/22/13	16
17	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/22/13	17
18	D. Davis and W. Diggs calibrating bucket penetration depths	3/22/13	18
19	D. Davis and W. Diggs painting elevation depths on crane lines of environmental bucket	3/22/13	19
20	D. Davis and W. Diggs painting elevation depths on crane lines of environmental bucket	3/22/13	20
			1
			1
		1	
			1
			<u> </u>



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/23/2013

REVISION NO: 0
REVISION DATE: N/A

le Creek SWMU 3 and PROJECT DESCRIP	SWMU 7b / Virginia	Beach, VA		REPORT NO: 21
	SWMU 7b / Virginia	Beach, VA		
PROJECT DESCRIP		,	<u>.</u>	
	TION: Dredging SV	VMU 3		
Cell(s) Dredged: #5 (remainder)			
		START T	TIME/ END TIME:	06:10/ 14:31
PM WEATHER: mi	ld, clear ~55°F		WIND DIRECTION:	: N (< 5 mph)
WORK FO	RCE (includes subc	ontractors	and visitors)	
			Total Hours	Гоday
	8			
nager	8			
uperintendent	8			
ator	8			
khand	8			
nand	8			
	8			
SUMMA	RY OF WORK PEI	RFORME	TODAY	
Make/N	Model/Manufacturer	Equ	uipment ID Number	Calibration Performed By
lge				
	work fo	8 nager 8 uperintendent 8 rator 8 chand 8 nand 8 SUMMARY OF WORK PE	PM WEATHER: mild, clear ~55°F WORK FORCE (includes subcontractors	WORK FORCE (includes subcontractors and visitors) Total Hours 7 8 nager 8 uperintendent 8 chand 8 chand 8 SUMMARY OF WORK PERFORMED TODAY Make/Model/Manufacturer Equipment ID Number

FIELD OBSERVATIONS: 0610 - J. Scott at dock waiting on dredge crew 0637 - McLean Contracting dredge crew arrive and set up 0647 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0652 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0705 - Runnerboat placed in water 0710 - Runnerboat stretching turbidity curtain and oil boom out to move scow into marina dock area 0728 - Picking up spuds to move dredge barge ahead in Cell # 5 0732 - Spuds up - moving dredge barge 0738 - Dredge barge successfully repositioned and spudded down ahead in Cell # 5 0740 – Workboat WB-39 departs to retrieve scow staged at 5th pier; refueling crane 0803 - Scow SC-142 arrives and successfully moored to starboard side of dredge barge; refueling activities complete 0812 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0841 - Environmental bucket rigged onto crane 0849 - Dredging begins in Cell #5 - material is dark gray/black soft muck/mud with some intermittent fine sand/silt with slight sulfur odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); sheens observed - contained within oil boom and turbidity curtain 0942 - Scow SC-142 drafting 4'; sheens observed - contained within oil boom and turbidity curtain 1017 - Dredging stopped to move dredge barge ahead in Cell #5; unhooking environmental bucket from crane 1028 – Picking up spuds to move dredge barge ahead in Cell # 5 1033 – Spuds up – moving dredge barge 1044 - Dredge barge successfully repositioned and spudded down ahead in Cell #5; re-attaching environmental bucket to crane 1109 - Dredging resumes in Cell #5; scow SC-142 drafting 5.5'; sheens observed - contained within oil boom and turbidity curtain 1137 – Tug Hoss arrives and staging empty scow at 5th pier 1210 - Scow SC-142 drafting 6.5'; sheens observed - contained within oil boom and turbidity curtain 1320 – Dredging stopped – dredging complete with Cell #5 and scow SC-142 full drafting 8.5 ft (approx. 727 cy of sediment dredged from Cell #5; total for Cell #5 = 1,522 cy [727 cy + 795 cy] -NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1327 – Unhooking environmental bucket from crane 1334 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1349 – Tug Hoss arrives and attaches to scow SC-142 1355 – Tug Hoss departs with scow SC-142 to transport to processing facility 1359 - Picking up stern spud to move dredge barge over to side and out of way in marina dock area 1401 – Spud up – shifting dredge barge 1403 - Dredge barge successfully repositioned out of the way of pleasure crafts at marina dock area; crew staging dredge barge to remain in place overnight (NOTE: dredge crew will work on re-dredging Teen Piers area on Monday [3/25] and will likely begin dredging in SWMU 7b [Desert Cove] on Tuesday [3/26]) 1411 - Crane picking up runner boat 1424 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1431 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None **ACTION ITEMS/FOLLOW UP:** Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ☐ No Was A Job Safety Meeting Held This Date? ⊠ Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes No No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No. SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): **FUTURE WORK** Planned Work for this week: None - end of week Planned Work for Next Week: Begin dredging in SWMU 7b

		WASTI	E ACCUMU.	LATION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S	WMU 3)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TI	RANSPORT	ATION AND DISPOSAL			
Transportation and	d Disposal Activ	vites/Summary Quantitites:					
None observed							
			AT	ΓACHMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meeting	ng minutes, s	safety meeting minutes,, COCs, we	eight tickets,	manifests, profiles, rewor	k item list, etc.):
None							
		st that to the best of my and correct and equipment and		0 6			
material used and	work performed	d during this reporting period is		AS A		2	/22/2012
*		rawings and specifications					/23/2013
except as noted in	this report			PREPARER'S SIGNATURE			DATE



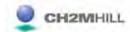
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/23/2013 REPORT NO: 21

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	01
2	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	02
3	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	03
4	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	04
5	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	05
6	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	06
7	Oil sheen observed during dredging in Cell #5 (SWMU 3, Cell #5)	3/23/13	07
8	Oil sheen observed during dredging in Cell #5 (SWMU 3, Cell #5)	3/23/13	08
9	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	09
10	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	10
11	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	11
12	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	12
13	Oil sheen observed during dredging in Cell #5 (SWMU 3, Cell #5)	3/23/13	13
14	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	14
15	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	15
16	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	16
17	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	17
18	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	18
19	Dredging in Cell #5 with environmental bucket (SWMU 3; Cell #5)	3/23/13	19
20	Deckhand washing down dredge barge to prevent splattered mud from remaining on deck	3/23/13	20
21	Deckhand washing down dredge barge to prevent splattered mud from remaining on deck	3/23/13	21



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/27/2013

REVISION NO: 0
REVISION DATE: N/A

				REVISION DATE: N/A		
		REPORT NO: 22				
PROJECT NAME / LOCATION: JEB Lit	tle Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SW	MU 7b			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #20	(partial)				
ONSITE SUPPORT: Jeremy Scott			START TIME/ END TIME:	06:04/ 17:15		
AM WEATHER: cold, clear ~40°F	PM WEATHER: coo	ol, clear ~50°F	WIND DIRECTION	N: NW (10-15 mph)		
	WORK FO	RCE (includes subco	entractors and visitors)			
Name/Company			Total Hours	s Today		
Jeremy Scott/CH2M HILL – QA Manager		10				
David Davis/McLean Contracting - QC Ma	nager	10				
Weldon Diggs/McLean Contracting - Site S	Superintendent	10				
Henry Thrul Jr./McLean Contracting - Ope	rator	10				
Gerald Wilson/McClean Contracting – Dec	khand	10				
Patrick Brown/McLean Contracting - Deck	hand	10				
Tim Scott/McLean Contracting – Deckhand	I	10				
	SUMMA	RY OF WORK PER	FORMED TODAY			
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Equipment ID Number	Calibration Performed By		
127 ton crane with 7 cy clamshell dredge						

FIELD OBSERVATIONS: 0604 – J. Scott at dock waiting on dredge crew 0642 - McLean Contracting dredge crew arrive and set up; McLean welder arrives 0703 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0710 - J. Scott and McLean crew onboard dredge barge - getting started and setting up (NOTE: dredge barge at Teen Piers with scow SC-141 attached on starboard side loaded drafting 5 ft – Teen Piers re-dredge complete) 0721 - Crane picking up full fuel tank on deck of workboat WB-39 and placing back on dredge barge 0727 - Runnerboat placed in water; McLean welder repairing cracked vent plates on environmental bucket 0738 - Workboat WB-39 attaches to scow SC-141; deckhand greasing crane boom pulleys at A-frame 0747 – Workboat WB-39 departs with scow SC-141 to stage at Desert Cove (SWMU 7b) 0821 - Workboat WB-39 back at dredge barge 0825 - Runnerboat untieing turbidity curtain and oil boom from dredge barge and adjacent piers and attaching to workboat WB-39 0839 - Workboat WB-39 departs with turbidity curtain and oil boom to stage at Desert Cove (SWMU 7b); deckhand greasing crane boom head pulleys 0849 - J. Scott receives e-mail from C. Landin (CH2M HILL) to check status and see if dredging will occur in SWMU 7b today - J. Scott verifies McLean intends to dredge in SWMU 7b today 0934 - Workboat WB-39 back at dredge barge 0940 - D. Davis loading SWMU 7b dredge files into HyPack 1005 – Picking up spuds to move dredge barge to Desert Cove (SWMU 7b) 1009 – Spuds up – moving dredge barge 1042 - Dredge barge successfully moved and spudded down in Cell # 20 of SWMU 7b; workboat WB-39 departs to retrieve scow staged at nearby pier 1110 – Scow SC-141 arrives and successfully moored to port side of dredge barge 1117 – Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 1120 - Clamshell bucket rigged onto crane 1131 – Dredging begins in Cell #20 – material is mixture of sand/silt and muck/mud; top 8-12" is soft dark gray/brown muck/muc with occasional debris; 12+" is firm light gray sand/silt; no odors and no sheens observed 1155 - W. Diggs departs on workboat WB-39 to take McLean mechanic back to dock (repairs complete) 1200 - J. Scott sends e-mail to C. Landin, B. Harris, and N. Price (CH2M HILL) stating that McLean is having to use clamshell bucket in SWMU 7b due to firm sand 1207 - J. Scott calls C. Landin for clarification on what Navy wants to do since team had thought dredging would occur in SWMU 7b with environmental bucket 1212 - J. Scott informs D. Davis of conversation with C. Landin - McLean will continue dredging with clamshell bucket until Navy calls them to cease operations 1216 - W. Diggs back onboard 1233 - Dredging stopped - GPS down; D. Davis working on GPS and antenna 1259 - Dredging resumes in Cell #20 1318 - Scow SC-141 drafting 6'; no sheens observed 1328 - J. Scott exchanges e-mail with C. Landin to update her on status - crew continuring to dredge with clamshell bucket 1344 - Observed tug Hoss with empty scow staged at nearby pier 1416 - Scow SC-141 drafting 6.5'; no sheens observed 1448 - Scow SC-141 drafting 7'; no sheens observed 1535 - D. Davis reports that he has communicated with the Navy client and received sub-grid HyPack files he needed and Navy was satisfied with dredging activities 1600 - Dredging stopped - scow SC-141 full drafting 8ft (approx. 702 cy of sediment dredged from Cell #20; -NOTE: approx. 224 cy was in scow from Teen Piers dredging the previous day); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1612 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1617 - J. Scott receives e-mail from C. Landin stating that McLean did receive authorization to use clamshell bucket in SWMU 7b 1620 - Tug Hoss arrives and attaches to scow SC-141 1629 – Tug Hoss departs with scow SC-141 to transport to processing facility 1637 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place overnight 1652 - Crane picking up runner boat 1701 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1715 – J. Scott back at dock – end of day DATA REVIEW: None CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: None DISCUSSION NOTES: **ACTION ITEMS/FOLLOW UP:** Review that scow SC-141 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Yes ☐ No Was A Job Safety Meeting Held This Date? No No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes No No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean)

Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)									
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):									
None									
			FUTURE	WORK					
Planned Work for t	his week:								
Dredge in Cell #'s	20, 19, 18, and 17								
Planned Work for N	Next Week:								
Continue dredging	in SWMU 7b; pos	sibly re-dredging as necessary	in SWMU 3 base	ed on bathymetric survey					
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA					
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	/MU 7b)						
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
		TRA	NSPORTATIO	N AND DISPOSAL					
Transportation and	Disposal Activites	s/Summary Quantitites:							
None observed									
			ATTACH	IMENTS					
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	tht tickets, manifes	sts, profiles, rework	item list, etc.):		
None									
knowledge the repo material used and v in compliance with	On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report PREPARER'S SIGNATURE DATE								



LOG DATE: 03/27/2013

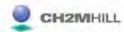
REPORT NO: 22 (ATTACH ADDITIONAL SHEETS IF NECESSARY)

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

ONSITE SUPPORT: Jeremy Scott PROJECT MANAGER: Brooke Harris

Picture	Photo Description/Location	Date	Daily
#			Log #
1	Crane moving full fuel tank onto dredge barge	3/27/13	01
2	McLean welder repairing cracks on vents of environmental bucket	3/27/13	02
3	Deckhand greasing crane boom pulleys at A-frame	3/27/13	03
4	Workboat WB-39 towing turbidity curtain and oil boom to SWMU 7b	3/27/13	04
5	Workboat WB-39 towing turbidity curtain and oil boom to SWMU 7b	3/27/13	05
6	Deckhands greasing crane boom pulleys	3/27/13	06
7	Workboat WB-39 towing turbidity curtain and oil boom to SWMU 7b	3/27/13	07
8	Deckhands greasing head crane boom pulleys	3/27/13	08
9	Repaired cracks on vents of environmental bucket	3/27/13	09
10	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	10
11	Close-up of material in clamshell bucket (SWMU 7b; Cell #20)	3/27/13	11
12	Close-up of material in clamshell bucket (SWMU 7b; Cell #20)	3/27/13	12
13	Runner boat pulling turbidity curtain and oil boom (SWMU 7b; Cell #20)	3/27/13	13
14	Runner boat pulling turbidity curtain and oil boom (SWMU 7b; Cell #20)	3/27/13	14
15	Turbidity curtain and oil boom deployed at front of scow (SWMU 7b; Cell #20)	3/27/13	15
16	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	16
17	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	17
18	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	18
19	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	19
20	Close-up of dredged sediment in scow SC-141(SWMU 7b; Cell #20)	3/27/13	20
21	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	21
22	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	22
23	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/27/13	23
24	Close-up of dredged sediment in scow SC-141(SWMU 7b; Cell #20)	3/27/13	24
25	Dredged sediment in scow SC-141(SWMU 7b; Cell #20)	3/27/13	25



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 03/28/2013

REVISION NO: 0

	A ADDITIONAL SHEETS IF NECESSARY)			REVISION DATE: N/A		
				REPORT NO: 23		
PROJECT NAME / LOCATION: JEB Lit	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	1		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SW	MU 7b			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #20 #19	(remainder) (partial)				
ONSITE SUPPORT: Jeremy Scott			START	ΓΙΜΕ/ END TIME:	06:08/ 18:19	
AM WEATHER: cold, clear ~35°F	PM WEATHER: coo	ol, clear ~50°F		WIND DIRECTION	1: NW (10-15 mph)	
	WORK FO	RCE (includes subco	ntractors	and visitors)		
Name/Company				Total Hours	Today	
Jeremy Scott/CH2M HILL – QA Manager	11					
David Davis/McLean Contracting – QC Ma	nager	11				
Weldon Diggs/McLean Contracting – Site S	Superintendent	11				
Henry Thrul Jr./McLean Contracting - Ope	rator	11				
Gerald Wilson/McClean Contracting – Dec	khand	11				
Patrick Brown/McLean Contracting - Deck	hand	11				
Tim Scott/McLean Contracting – Deckhand		11				
	SUMMA	RY OF WORK PER	FORME	D TODAY		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Eq	uipment ID Number	Calibration Performed	Ву
127 ton crane with 7 cy clamshell dredge						
		-				

0608 - J. Scott at dock waiting on dredge crew 0641 – McLean Contracting dredge crew arrive and set up; McLean welder arrives 0648 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0658 – J. Scott and McLean crew onboard dredge barge – getting started and setting 0711 – Runnerboat placed in water 0716 - Picking up spuds to move dredge barge ahead in Cell #20 0719 – Spuds up – moving dredge barge 0730 - Dredge barge successfully repositioned and spudded down ahead in Cell # 20; workboat WB-39 departs to retrieve scow staged at nearby pier 0735 - Clamshell bucket rigged onto crane 0759 - Scow SC-142 arrives and successfully moored to port side of dredge barge 0806 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0823 - Dredging begins in Cell #20 - material is mixture of sand/silt and muck/mud; top 8-12" is soft dark gray/brown muck/muc with occasional debris; 12+" is firm light gray sand/silt; no odors and no sheens observed 0838 - W. Diggs and D. Davis depart on workboat WB-39 to take D. Davis to dock to go to McLean property to pick up supplies 0925 - Scow SC-142 drafting 3'; no sheens observed 0934 - W. Diggs back onboard 1020 - Scow SC-142 drafting 4.5'; no sheens observed 1048 - W. Diggs departs on workboat WB-39 to pick up two McLean electricians at nearby dock 1055 - W. Diggs back onboard with two McLean electricians - working on generator and wiring 1124 - Scow SC-142 drafting 5.5'; no sheens observed 1216 - W. Diggs departs on workboat WB-39 to return two McLean electricians to dock and pick up D. Davis 1231 - Scow SC-142 drafting 6'; no sheens observed 1245 - W. Diggs and D. Davis back onboard 1334 – Scow SC-142 drafting 6.5'; no sheens observed 1410 – W. Diggs reports that tug Hoss has arrived with empty scow and standing by at 18th pier 1414 - W. Diggs and D. Davis depart on workboat WB-39 - W. Diggs giving D. Davis instruction on how to operate WB-39 in Desert Cove and Little Creek harbor 1432 - Scow SC-142 drafting 7'; no sheens observed 1444 - W. Diggs and D. Davis back onboard 1448 - P. Brown collects sediment sample for waste characterization for Bay Environmental (D. Davis will deliver sample at end of shift 1553 - Dredging complete in Cell #20 (approx. 676 cy of sediment dredged from Cell #20; total for Cell #20 = 1,378 cy [676 cy + 702 cy] -NOTE: likely not accurate); dredging continues into Cell #19; scow SC-142 drafting 7.25'; no sheens observed 1557 - Dredging stopped to move dredge barge ahead in Cell #19; unhooking clamshell bucket from crane 1612 - Picking up spuds to move dredge barge ahead in Cell #19 1616 – Spuds up – moving dredge barge 1622 - Dredge barge successfully repositioned and spudded down ahead in Cell # 19; re-attaching clamshell bucket to crane 1637 – Dredging resumes in Cell #19 1740 - Dredging stopped - scow SC-142 full drafting 8ft (approx. 223 cy of sediment dredged from Cell #20); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1745 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; unhooking clamshell bucket from crane 1758 - Crane picking up runner boat; crew staging dredge barge to remain in place over weekend 1807 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1819 – J. Scott back at dock – end of day DATA REVIEW: None CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: ACTION ITEMS/FOLLOW UP: Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? Yes ☐ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes No. Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ☐ Yes No No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed **FUTURE WORK**

FIELD OBSERVATIONS:

Planned Work for	this week:						
None – end of wee	ek						
Planned Work for	Next Week:						
Continue dredging	g in SWMU 7b;	possibly re-dredging as necessar	y in SWMU	3 based on bathymetric survey			
		WASTE	ACCUMUI	LATION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S'	WMU 7b)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTA	ATION AND DISPOSAL			
Transportation and	d Disposal Activ	vites/Summary Quantitites:					
None observed							
			ATT	CACHMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetin	g minutes, sa	afety meeting minutes, COCs, we	ight tickets, n	nanifests, profiles, rework	titem list, etc.):
None							
		at that to the best of my and correct and equipment and		0-6	_		
		d during this reporting period is rawings and specifications		J. D. W.		3	/28/2013
except as noted in	this report			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 03/28/2013

REPORT NO: 23

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

Picture #	Photo Description/Location	Date	Daily Log #
1	Close-up of material in clamshell bucket (SWMU 7b; Cell #20)	3/28/13	01
2	Close-up of material in clamshell bucket (SWMU 7b; Cell #20)	3/28/13	02
3	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	03
4	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	04
5	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	05
6	Runner boat pulling turbidity curtain and oil boom (SWMU 7b; Cell #20)	3/28/13	06
7	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	07
8	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	08
9	Turbidity curtain and oil boom deployed at front of scow (SWMU 7b; Cell #20)	3/28/13	09
10	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	10
11	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	11
12	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	12
13	Dredging in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	3/28/13	13
14	Deckhand collected waste characterization sample from clamshell bucket (SWMU 7b; Cell #20)	3/28/13	14
15	Close-up of material in clamshell bucket (SWMU 7b; Cell #20)	3/28/13	15
16	Close-up of material in clamshell bucket (SWMU 7b; Cell #20)	3/28/13	16
		1	



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/01/2013

REVISION NO: 2

				REVISION DATE: 04/03/2013		
		REPORT NO: 46				
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia E	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SW	MU 7b			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #19	(partial)				
ONSITE SUPPORT: Jeremy Scott			START TIME/ END TIME:	06:04/ 18:32		
AM WEATHER: mild, overcast ~55°F	PM WEATHER: wa	rm, clear ~70°F	WIND DIRECTION:	W (5-10 mph)		
	WORK FO	RCE (includes subco	ntractors and visitors)			
Name/Company			Total Hours T	oday		
Jeremy Scott/CH2M HILL – QA Manager	12					
David Davis/McLean Contracting – QC Ma	nager	12				
Weldon Diggs/McLean Contracting – Site S	uperintendent	12				
Henry Thrul Jr./McLean Contracting – Oper	rator	12				
Gerald Wilson/McClean Contracting – Decl	khand	12				
Patrick Brown/McLean Contracting - Deck	nand	12				
Tim Scott/McLean Contracting – Deckhand	·	12				
	SUMMA	RY OF WORK PER	FORMED TODAY			
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Equipment ID Number	Calibration Performed By		

FIELD OBSERVATIONS: 0604 – J. Scott at dock waiting on dredge crew 0632 - McLean Contracting dredge crew arrive and set up; McLean welder arrives 0653 - McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0709 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0714 - Workboat WB-39 departs to retrieve scow staged at at 18th pier 0730 - Runnerboat placed in water 0753 - Scow SC-136 arrives and successfully moored to port side of dredge barge 0757 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0800 - Crane picking up bow spud for McLean welder to repair crack 0804 - McLean welder repairing cracked bow spud 0848 - Crane released spud back down - repair complete on bow spud; McLean welder repairing clamshell bucket teeth 0859 - Clamshell bucket rigged onto crane 1008 - Dredging begins in Cell #19 - material is mixture of sand/silt and muck/mud; top 8-12" is soft dark gray/brown muck/muc with occasional debris; 12+" is firm light gray sand/silt; no odors and no sheens observed; McLean welder repairing cracked stern spud 1101 – Scow SC-136 drafting 3'; no sheens observed 1137 - W. Diggs, D. Davis, and McLean welder depart on workboat WB-39 to return McLean welder to docks 1203 – Scow SC-136 drafting 3.25'; no sheens observed 1239 - W. Diggs and D. Davis back onboard 1305 – Scow SC-136 drafting 3. 5'; no sheens observed 1401 - Scow SC-136 drafting 4.25'; no sheens observed 1502 - Scow SC-136 drafting 5.25'; no sheens observed 1507 – Dredging stopped to move dredge barge ahead in Cell #19; unhooking clamshell bucket from crane 1522 - Picking up spuds to move dredge barge ahead in Cell #19 1526 – Spuds up – moving dredge barge 1532 - Dredge barge successfully repositioned and spudded down ahead in Cell # 19; re-attaching clamshell bucket to crane 1543 - W. Diggs and D. Davis depart on workboat WB-39 to take D. Davis to dock to go to processing facility to check status of leaking scow SC-142 1547 - Dredging resumes in Cell #19 1605 - W. Diggs back onboard 1621 - Scow SC-136 drafting 5.5'; no sheens observed 1654 - Dredging stopped - monkey line (responsible for preventing bucket from turning) broke; crew repairing and re-attaching to bucket 1716 – Unhooking clamshell bucket from crane 1740 - Re-attaching clamshell bucket to crane - monkey line repaired 1745 - Dredging resumes in Cell #19 1740 - Dredging stopped - scow SC-136 drafting 5.5ft (approx. 766 cy of sediment dredged from Cell #19); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; unhooking clamshell bucket from crane 1804 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge; crew staging dredge barge to remain in place overnight 1810 - Crane picking up runner boat 1818 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1832 - J. Scott back at dock - end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: N/A DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: None HEALTH AND SAFETY REPORT ⊠ Yes П № Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No No ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Dredge in Cell #'s 19, 18, and 17

Planned Work for	Next Week:						
Continue dredging	in SWMU 7b;	possibly re-dredging as necessar	ry in SWMU 3 ba	ased on bathymetric survey			
		WASTE	ACCUMULAT	TION/STOCKPILE AREA			
Accumulation / Stockpile Area	·	JEB Little Creek harbor (S	WMU 7b)		_	_	
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATI	ON AND DISPOSAL			
Transportation and	Disposal Activ	vites/Summary Quantitites:					
None observed							
			ATTAC	CHMENTS			
List of Attachment None	s: (examples,	as applicable: submittals, meetin	g minutes, safet	y meeting minutes, COCs, we	ight tickets, man	nifests, profiles, rework	titem list, etc.):
knowledge the rep material used and	ort is complete work performed the contract dr	t that to the best of my and correct and equipment and I during this reporting period is awings and specifications		95 de		4	/01/2013
except as noted in	uns iedoit			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE : 04/01/2013 REPORT NO: 46

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

Picture	Photo Description/Location	Date	Daily
#	·	Date	Log #
1	McLean welder repairing bow spud	4/01/13	01
2	Runnerboat deploying turbidity curtain and oil boom (SWMU 7b; Cell #19)	4/01/13	02
3	McLean welder repairing clamshell bucket teeth	4/01/13	03
4	McLean welder repairing clamshell bucket teeth	4/01/13	04
5	McLean welder repairing clamshell bucket teeth	4/01/13	05
6	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	06
7	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	07
8	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	08
9	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	09
10	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	10
11	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	11
12	Turbidity curtain and oil boom deployed at front of scow (SWMU 7b; Cell #20)	4/01/13	12
13	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	13
14	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/01/13	14
15	Turbidity plume while dredging (SWMU 7b; Cell #19)	4/01/13	15
16	Dredged sediment (primarily sand) in scow SC-136 (SWMU 7b; Cell #19)	4/01/13	16
17	Close-up of dredged sediment (primarily sand) in scow SC-136 (SWMU 7b; Cell #19)	4/01/13	17
18	Dredge crew repairing broken monkey line	4/01/13	18
19	Dredge crew repairing broken monkey line	4/01/13	19



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/02/2013

REVISION NO: 1

	TADDITIONAL SHEETS IF NECESSART)			REVISION DATE: 04/03/2013		
				REPORT NO: 47		
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia B	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SWI	MU 7b			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #19 #17	(remainder) (partial)				
ONSITE SUPPORT: Jeremy Scott			START TIN	ME/ END TIME:	06:06/ 18:33	
AM WEATHER: cool, clear ~45°F	PM WEATHER: mil	d, clear ~55°F	,	WIND DIRECTION	: NW (5-10 mph)	
	WORK FO	RCE (includes subcon	tractors ar	nd visitors)		
Name/Company				Total Hours	Today	
Jeremy Scott/CH2M HILL – QA Manager	12					
David Davis/McLean Contracting - QC Man	nager	0				
Weldon Diggs/McLean Contracting – Site S	uperintendent	12				
Henry Thrul Jr./McLean Contracting - Oper	ator	12				
Gerald Wilson/McClean Contracting – Deck	hand	12				
Patrick Brown/McLean Contracting - Deckl	nand	12				
Tim Scott/McLean Contracting – Deckhand		8				
	SUMMA	RY OF WORK PERI	FORMED T	ГОDAY		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	/Iodel/Manufacturer	Equi	pment ID Number	Calibration Performed By	
127 ton crane with 7 cy clamshell dredge						

0606 - J. Scott at dock waiting on dredge crew 0640 - McLean Contracting dredge crew arrive and set up 0650 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0703 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; scow SC-136 still on port side of dredge barge with tug Challenger attached and standing-by; D. Davis at processing facility pumping water out of inner hull of scow SC-142 0717 - Runnerboat placed in water 0730 - Clamshell bucket rigged onto crane; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0742 - Dredging begins in Cell #19 - material is mixture of sand/silt and muck/mud; top 8-12" is soft dark gray/brown muck/muc with occasional debris; 12+" is firm light gray sand/silt; no odors and no sheens observed 0844 – Dredging stopped – scow SC-136 full drafting 7 ft; deckhands cleaning scow – shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 0859 - Tug Challenger departs with scow SC-136 to transport to processing facility; workboat WB-39 departs to retrieve scow staged at at 18th pier 0940 - Scow SC-141 arrives and successfully moored to port side of dredge barge; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0959 – Dredging resumes in Cell #19 1030 – Call from Brooke Harris (CH2M HILL PM) to check status of dredging 1041 - Scow SC-141 drafting 3.5'; no sheens observed 1140 - Scow SC-141 drafting 4.5'; no sheens observed 1247 – Scow SC-141 drafting 5'; no sheens observed 1340 - Scow SC-141 drafting 5.5'; no sheens observed 1420 - W. Diggs and T. Scott depart on workboat WB-39 to take T. Scott to docks to go to a meeting 1430 – Dredging stopped – dredging complete with Cell #19 (approx. 603 cy of sediment dredged from Cell #19; total for Cell #19 = 1,592 cy [603+223 cy + 766 cy] -NOTE: likely not accurate); unhooking clamshell bucket from crane 1438 – W. Diggs back onboard 1450 – Picking up spuds to move dredge barge to Cell #17 1458 – Spuds up – moving dredge barge 1509 - Dredge barge successfully repositioned and spudded down in Cell #17; re-attaching clamshell bucket to crane 1541 - Dredging begins in Cell #17 - material continues to be a mixture of sand/silt and muck/mud; top 8-12" is soft dark gray/brown muck/mud with occasional debris; 12+" is firm light gray sand/silt; no odors and no sheens observed 1613 - Dredging stopped - jack line (responsible for closing dredge bucket) shiv loose on clamshell bucket; crew repairing 1631 – Dredging resumes in Cell #17 1637 - Scow SC-141 drafting 6.5'; no sheens observed 1708 - Scow SC-141 drafting 7.5'; no sheens observed 1751 - Dredging stopped - scow SC-141 full drafting 8 ft (approx. 351 cy of sediment dredged from Cell #17); deckhands cleaning scow shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1758 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place overnight 1812 - Crane picking up runner boat 1820 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1833 - J. Scott back at dock - end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: N/A DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scows SC-136 and SC-141 were properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ⊠ Yes П № Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No. Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No No ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Dredge in Cell #'s 17 and 18

FIELD OBSERVATIONS:

Planned Work for	Next Week:						
Continue dredging	g in SWMU 7b;	possibly re-dredging as necessar	y in SWMU 3 bas	sed on bathymetric survey			
		WASTE	ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S'	WMU 7b)				
No of Containers::	2 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	d Disposal Activ	rites/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetin	g minutes, safety	meeting minutes, COCs, we	ight tickets, manife	ests, profiles, rework	item list, etc.):
None							
knowledge the rep	ort is complete	that to the best of my and correct and equipment and during this reporting period is		ger for			100 100 10
in compliance wit except as noted in		awings and specifications				4/	/02/2013
except as noted in	uns report			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE : 04/02/2013 REPORT NO: 25

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

		1	
Picture #	Photo Description/Location	Date	Daily Log #
1	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/02/13	01
2	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/02/13	02
3	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/02/13	03
4	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/02/13	04
5	Dredging in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/02/13	05
6	Dredged sediment (primarily sand) in scow SC-136 (SWMU 7b; Cell #19)	4/02/13	06
7	Dredged sediment (primarily sand) in scow SC-136 (SWMU 7b; Cell #19)	4/02/13	07
8	Close-up of dredged sediment (primarily sand) in scow SC-136 (SWMU 7b; Cell #19)	4/02/13	08
9	Close-up of dredged sediment (primarily sand) in scow SC-136 (SWMU 7b; Cell #19)	4/02/13	09
10	Dredging in Cell #19 with clamshell bucket and turbidity curtain and oil boom in background (SWMU 7b; Cell #19)	4/02/13	10
11	Dredging in Cell #19 with clamshell bucket and turbidity curtain and oil boom in background (SWMU 7b; Cell #19)	4/02/13	11
12	Dredging in Cell #19 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #19)	4/02/13	12
13	Dredging in Cell #19 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #19)	4/02/13	13
14	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/02/13	14
15	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/02/13	15
16	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/02/13	16
17	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/02/13	17
		1	
		1	
		1	1
			1
		1	1
			<u> </u>
		1	<u> </u>
		1	
			1



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/03/2013

REVISION NO: 0
REVISION DATE: N/A
REPORT NO: 26

PROJECT NAME / LOCATION:	JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach,	VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

PROJECT MANAGER: Brooke Harris Cell(s) Dredged: none

ONSITE SUPPORT: Jeremy Scott START TIME/ END TIME: 06:07/ 17:07

AM WEATHER: cool, clear ~45°F PM WEATHER: mild, clear ~55°F WIND DIRECTION: NW (10-15 mph)

WORK FORCE (includes subcontractors and visitors)

	,
Name/Company	Total Hours Today
Jeremy Scott/CH2M HILL – QA Manager	10
David Davis/McLean Contracting – QC Manager	10
Weldon Diggs/McLean Contracting – Site Superintendent	5
Henry Thrul Jr./McLean Contracting – Operator	10
Gerald Wilson/McClean Contracting – Deckhand	10
Patrick Brown/McLean Contracting - Deckhand	10
Tim Scott/McLean Contracting – Deckhand	10
·	

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge			

FIELD OBSERVATIONS:

- 0607 J. Scott at dock waiting on dredge crew
- 0635 McLean Contracting dredge crew arrive and set up; McLean welder arrives
- 0653 McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel)
- $0704-J.\ Scott\ and\ McLean\ crew\ onboard\ dredge\ barge-getting\ started\ and\ setting\ up;\ scow\ SC-141\ still\ on\ port\ side\ of\ dredge\ barge-getting\ started\ and\ setting\ up;$
- 0718 D. Davis reported dredged volumes from past two days to J. Scott (updated QA reports to reflect approximate dredge volumes)
- $0720-Runnerboat\ placed\ in\ water;$ workboat WB-39 attaches to full scow SC-141
- 0729 Workboat WB-39 departs with scow SC-141 to stage at 18th pier; crew standing-by waiting on delivery of new scow
- 0735 Deckhands refueling crane
- 0804 Workboat WB-39 back at dredge barge
- 0812 Refueling activities complete
- 0821 W. Diggs and D. Davis depart on workboat WB-39 to take W. Diggs to dock for an appointment
- 0846 Tug Hoss arrives and scow SC-142 successfully moored to port side of dredge barge
- 0848 D. Davis back onboard; tug Hoss departs to retrieve full scow SC-141 and transport to processing facility
- 0853 McLean welder repairing hole in hull of scow SC-142 using crane to lift starboard bow of scow so welder can go inside hull and weld patch on hole in rake; crew using O₂ meter to test atmosphere and D. Davis serving as hole watch
- 1056 D. Davis departs on workboat WB-39 to go to dock and pick up two McLean mechanics
- 1121 D. Davis and two McLean mechanics onboard; mechanics working on torque converter on crane drum
- 1235 McLean mechanics standing-by waiting on McLean welder to finish patching hole in scow so crane can be unhooked from lifted scow to allow them access to work on crane drum
- 1338 D. Davis departs on workboat WB-39 to pick up W. Diggs at dock
- 1400 D. Davis and W. Diggs back onboard
- 1404 McLean welder stops repairs; crane releases scow SC-142 and mechanics begin working on crane
- 1522 McLean mechanics complete crane repaired; crane re-lifting scow SC-142
- 1528 McLean welder resumes repairs to scow SC-142
- 1536 W. Diggs and McLean mechanics departs on workboat WB-39 to return McLean mechanics to dock
- 1559 W. Diggs back onboard
- 1633 Scow SC-142 repaired crane releases scow; crew staging dredge barge to remain in place overnight
- 1646 Crane picking up runner boat
- 1656 Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock
- 1707 J. Scott back at dock end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

N/A

DISCUSSION NOTES:					
None					
ACTION ITEMS/FOLLOW UP:					
None	HEALTH AND	SAFETY REPORT			
Was A Job Safety Meeting Held This Date?	HEALIH ANL	SAFETT KEPUKT		⊠ Yes	□ No
Were there any lost-time accidents this date? (If Yes, attach copy of	of completed OSE	IA report)		☐ Yes	□ No
Was a Confined Space Entry Permit Administered This Date? (If Y	1	1 /		☐ Yes	⊠ No
Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazm		r each permit)		∑ Yes (b	
(If Yes, attach statement or checklist showing inspection performed	l) (Crane inspecti			McLean)	, 🗀 :
Was Hazardous Material/Waste Released into the Environment? (If	Yes, attach desc	ription of incident and propos	ed action)	Yes	⊠ No
SAFETY ACTIONS TAKEN TODAY (Include Observations of	any Safety Violat	ions, Corrective Instructions	Given, and Correct	ive Actions Taken):	
SBO completed					
	FUTURE	E WORK			
Planned Work for this week:					
Dredge in Cell #'s 17 and 18					
Planned Work for Next Week:					
Continue dredging in SWMU 7b; possibly re-dredging as necessary	in SWMU 3 bas	ed on bathymetric survey			
WASTE	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / JEB Little Creek harbor (SV Stockpile Area	VMU 7b)				
No of Containers:: O scows No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:					
TRA	ANSPORTATIO	N AND DISPOSAL			
Transportation and Disposal Activites/Summary Quantitites:					
None observed					
	ATTACH	IMENTS			
List of Attachments: (examples, as applicable: submittals, meeting None	g minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report		PREPARER'S SIGNATURE	-	4/	03/2013 DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

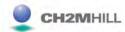
LOG DATE: 04/03/2013

REPORT NO: 26

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

D! a4	Dhata Dagarinthon //	Deti	D - 11:
Picture #	Photo Description/Location	Date	Daily Log #
1	Crane lifting scow SC-142 to repair hole in rake	4/03/13	01
2	Deckhand holding patch on outside of scow SC-142 while welder repairs inside of hull	4/03/13	02
3	Deckhand holding patch on outside of scow SC-142 while welder repairs inside of hull	4/03/13	03
4	Crane lifting scow SC-142 to repair hole in rake	4/03/13	04



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/04/2013

REVISION NO: 0
REVISION DATE: N/A

	(ATTACH ADDITIONAL SHEETS II ALCESSART)		RE	REVISION DATE: N/A		
				RE	EPORT NO: 27	
PROJECT NAME / LOCATION: JEB Litt	tle Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	•		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	PROJECT DESCRIPTION: Dredging SWMU 7b				
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #17	7 (partial)				
ONSITE SUPPORT: Jeremy Scott			START TIME/ EN	D TIME:	06:06/ 17:47	
AM WEATHER: cool, clear ~40°F	PM WEATHER: cool, overcast ~50°F		WIND I	WIND DIRECTION: E (5-10 mph)		
	WORK FO	RCE (includes subco	ontractors and visito	ors)		
Name/Company			Т	Total Hours Today		
Jeremy Scott/CH2M HILL – QA Manager		11				
David Davis/McLean Contracting – QC Manager		11				
Weldon Diggs/McLean Contracting – Site Superintendent		8				
Henry Thrul Jr./McLean Contracting – Operator 1		11				
Gerald Wilson/McClean Contracting – Deckhand 11		11				
Patrick Brown/McLean Contracting – Deckhand 11		11				
Tim Scott/McLean Contracting – Deckhand		11				
_	SUMMA	RY OF WORK PER	RFORMED TODAY	,		
EQUIPMENT ON HAND				_		
Description of Equipment	Make/Model/Manufacture		Equipment II	O Number	Calibration Performed By	

0606 – J. Scott at dock waiting on dredge crew 0637 - McLean Contracting dredge crew arrive and set up 0650 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0702 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; scow SC-142 still on port side of dredge barge 0716 – Runnerboat placed in water 0720 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0740 - Clamshell bucket rigged onto crane; crew pumping water out of hull of scow SC-142 with down-hole pump (leak was not completely stopped with yesterday's repair, but significantly lessened) 0754 - Dredging begins in Cell #17 - material continues to be a mixture of sand/silt and muck/mud; top 8-12" is soft dark gray/brown muck/muc with substantial debris (wood, pipe, cable, rope, etc.); 12+" is firm light gray sand/silt; no odors and no sheens observed (NOTE: more of the softer muck/mud material [12-16"] located on west side of cell) 0800 - W. Diggs and D. Davis depart on workboat WB-39 to take W. Diggs to dock for an appointment 0824 - D. Davis back onboard 0901 - Scow SC-142 drafting 3.5'; no sheens observed 1000 - Scow SC-142 drafting 4'; no sheens observed 1056 – D. Davis departs on workboat WB-39 to pick up W. Diggs at dock 1101 - Scow SC-142 drafting 5'; no sheens observed 1119 - D. Davis and W. Diggs back onboard 1206 - Scow SC-142 drafting 5.5'; no sheens observed 1225 - Dredging stopped to move dredge barge ahead in Cell #17; unhooking clamshell bucket from crane 1238 – Picking up spuds to move dredge barge ahead in Cell #17 1242 – Spuds up – moving dredge barge 1249 - Spuds down - shifting scow SC-142 back to be able to get closer to bulkhead of dock with dredge barge 1313 – Picking up spuds again to move dredge barge ahead in Cell #17 1317 – Spuds up – moving dredge barge 1329 - Dredge barge successfully repositioned and spudded down ahead in Cell # 17 1334 – Re-attaching clamshell bucket to crane 1349 - Dredging resumes in Cell #17 1357 - Moderate sheen and viscous black globules observed - contained within turbidity curtain and oil boom 1400 - D. Davis and W. Diggs attempting to repair leak in hull of scow SC-142 1431 - D. Davis reports leak in scow SC-142 has been repaired 1440 - Scow SC-142 drafting 6.25'; moderate sheen and viscous black globules continue - remains contained within turbidity curtain and oil boom 1531 - Scow SC-142 drafting 7.25'; moderate sheen and viscous black globules continue - remains contained within turbidity curtain and oil boom 1629 - Scow SC-142 drafting 8'; moderate sheen and viscous black globules continue - remains contained within turbidity curtain and oil boom 1706 - Dredging stopped - scow SC-142 full drafting 8.5 ft (approx. 922 cy of sediment dredged from Cell #17; total for Cell #17 = 1,273 cy [922+351 cy] -NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1710 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1714 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place over weekend 1724 - Crane picking up runner boat 1733 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1747 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: ACTION ITEMS/FOLLOW UP: Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? X Yes (by □ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None **FUTURE WORK**

FIELD OBSERVATIONS:

Planned Work for	this week:						
None – end	of week						
Planned Work for	Next Week:						
Continue dredging	g in SWMU 7b;	re-dredging as necessary in SWI	MU 3 based	on bathymetric survey			
		WASTE	ACCUMU	LATION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S	WMU 7b)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORT	ATION AND DISPOSAL			
Transportation and	d Disposal Acti	vites/Summary Quantitites:					
None observed							
			AT	FACHMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetin	g minutes, s	safety meeting minutes, COCs, we	ight tickets, n	nanifests, profiles, rework	item list, etc.):
None							
knowledge the rep material used and in compliance wit	oort is complete work performed the contract d	st that to the best of my and correct and equipment and d during this reporting period is rawings and specifications		Jes de	_	4/	/04/2013
except as noted in	this report			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

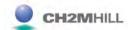
LOG DATE: 04/04/2013

REPORT NO: 27

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

Picture #	Photo Description/Location	Date	Daily
1	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/04/13	Log # 01
2	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17) Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/04/13	02
3	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/04/13	03
4	Dredging in Cell #17 with clamshell bucket (SWMU 7b; Cell #17)	4/04/13	04
5	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	05
6	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	06
7	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	07
8	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	08
9	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	09
10	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	10
11	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/04/13	11
12	Viscous black globules and moderate sheen observed during dredging (SWMU 7b, Cell #17)	4/04/13	12
13	Viscous black globules and moderate sheen observed during dredging (SWMU 7b, Cell #17)	4/04/13	13
14	Viscous black globules and moderate sheen observed during dredging (SWMU 7b, Cell #17)	4/04/13	14
15	Viscous black globules and moderate sheen observed during dredging (SWMU 7b, Cell #17)	4/04/13	15
16	Dredging in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/04/13	16
17	Dredged sediment and marina debris in scow SC-142 (SWMU 7b; Cell #17)	4/04/13	17
18	Close-up of dredged sediment and marina debris in scow SC-142 (SWMU 7b; Cell #17)	4/04/13	18
			10



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/09/2013

	, ,			,	REVISION DATE: 04/10/2013
					REPORT NO: 28
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SW	MU 7b		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #17 #18	7 (remainder) 3 (partial)			
ONSITE SUPPORT: Jeremy Scott			START T	IME/ END TIME:	06:07/ 18:44
AM WEATHER: mild, clear ~65°F	PM WEATHER: wa	rm, clear ~80°F		WIND DIRECTION	I: SW (10-15 mph)
	WORK FO	RCE (includes subco	ntractors	and visitors)	
Name/Company				Total Hours	Today
Jeremy Scott/CH2M HILL – QA Manager		12			
David Davis/McLean Contracting – QC Ma	nager	6			
Weldon Diggs/McLean Contracting - Site S	uperintendent	12			
Henry Thrul Jr./McLean Contracting - Open	ator	12			
Gerald Wilson/McClean Contracting – Deck	khand	12			
Patrick Brown/McLean Contracting - Deckl	hand	12			
Tim Scott/McLean Contracting - Deckhand		12			
	SUMMA	RY OF WORK PER	FORME	TODAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/N	Model/Manufacturer	Equ	uipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge					

FIELD OBSERVATIONS: 0607 – J. Scott at dock waiting on dredge crew 0634 - McLean Contracting dredge crew arrive and set up 0644 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0655 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0724 - Runnerboat placed in water 0732 – Dredge crew inspecting and greasing head pulley of crane (cracked sheave at head of boom) 0759 - Picking up bow spud to move dredge barge over in Cell #17 0801 - Spud up - moving dredge barge 0804 - Dredge barge successfully repositioned and spudded down over in Cell # 17 0807 - Workboat WB-39 departs to retrieve scow staged at at 18th pier 0815 – Clamshell bucket rigged onto crane 0843 - Scow SC-136 arrives and successfully moored to port side of dredge barge; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0917 - W. Diggs and D. Davis depart on workboat WB-39 to take D. Davis to dock for a meeting 0920 - Dredging begins in Cell #17 - material continues to be a mixture of sand/silt and muck/mud; top 0-12" is soft dark gray/brown muck/muc with substantial debris (wood, pipe, cable, rope, etc.); 12+" is firm light gray sand/silt; no odors and no sheens observed (NOTE: more of the softer muck/mud material [12-16"] located on west side of cell) 0939 - W. Diggs back onboard 1021 - Scow SC-136 drafting 3'; no sheens observed 1107 – McLean mechanic onboard – picked up from nearby dock on runnerboat 1117 - Dredging stopped - McLean mechanic working on crane; Scow SC-136 drafting 3.5'; no sheens observed 1130 – Dredging resumes in Cell #17 1221 - McLean mechanic departs dredge barge by runnerboat and returned to nearby dock 1303 - Scow SC-136 drafting 4'; no sheens observed 1340 – Dredging stopped – dredging complete with Cell #17 (approx. 349 cy of sediment dredged from Cell #17; total for Cell #17 = 1,622 cy [349+922+351 cy] - NOTE: likely not accurate); unhooking clamshell bucket from crane 1350 – Runnerboat and workboat WB-39 shifting turbidity curtain and oil boom to Cell #18 1411 - Picking up spuds to move dredge barge to Cell #18 1414 – Spuds up – moving dredge barge 1423 - Dredge barge successfully moved and spudded down in Cell #18; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 1441 – Re-attaching clamshell bucket to crane 1449 - Dredging begins in Cell #18 - material continues to be a mixture of sand/silt and muck/mud; top 0-12" is soft dark gray/brown muck/muc with substantial debris (wood, pipe, cable, rope, etc.); 12+" is firm light gray sand/silt; no odors and no sheens observed; scow SC-136 drafting 4.5' 1457 – W. Diggs departs on workboat WB-39 to pick up D. Davis at dock 1529 - W. Diggs and D. Davis back onboard 1543 - Scow SC-136 drafting 5'; no sheens observed 1649 - Scow SC-136 drafting 6'; no sheens observed 1727 - Scow SC-136 drafting 7'; no sheens observed 1750 - Strong creasote odor smell and minor sheen observed when dredging occurs near bulkhead of dock - sheen contained within turbidity curtain and oil boom 1803 - Dredging stopped - scow SC-136 full drafting 7.5 ft (approx. 573 cy of sediment dredged from Cell #18); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1807 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1811 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place overnight 1820 - Crane picking up runner boat 1831 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1844 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: ACTION ITEMS/FOLLOW UP: Review that scow SC-136 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes ☐ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ⊠ No ☐ Yes Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes ⊠ No

		FUTURE	E WORK			
his week:						
ll # 18; re-dredging	g as necessary in SWMU 3 ba	sed on bathymetr	ic survey			
Next Week:						
essary in SWMU 3	3 and SWMU 7b; possibly be	gin backfilling in	SWMU 3			
	WASTE	ACCUMULATI	ON/STOCKPILE AREA			
	JEB Little Creek harbor (SV	VMU 7b)				
1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
	TR	ANSPORTATIO	ON AND DISPOSAL			
Disposal Activites	s/Summary Quantitites:					
		ATTACI	HMENTS			
s: (examples, as a	applicable: submittals, meeting	g minutes, safety	meeting minutes, COCs, weight	ght tickets, manife	sts, profiles, rework	item list, etc.):
ort is complete and work performed du the contract drawi	correct and equipment and ring this reporting period is		DREPARE'S SIGNATURE	_	4/	09/2013 DATE
	Next Week: essary in SWMU: 1 scow Disposal Activites s: (examples, as a 4 HILL, I attest the ort is complete and work performed du	Il # 18; re-dredging as necessary in SWMU 3 based Next Week: essary in SWMU 3 and SWMU 7b; possibly begoes WASTE JEB Little Creek harbor (SVMO) 1 scow No of Tank TRAD Disposal Activites/Summary Quantitites: SEE (examples, as applicable: submittals, meeting and the submittals of the contract that to the best of my ort is complete and correct and equipment and work performed during this reporting period is the contract drawings and specifications	his week: Il # 18; re-dredging as necessary in SWMU 3 based on bathymetr Next Week: essary in SWMU 3 and SWMU 7b; possibly begin backfilling in WASTE ACCUMULATI JEB Little Creek harbor (SWMU 7b) 1 scow No of Tank 0 TRANSPORTATIO Disposal Activites/Summary Quantitites: ATTACE S: (examples, as applicable: submittals, meeting minutes, safety If HILL, I attest that to the best of my ort is complete and correct and equipment and work performed during this reporting period is the contract drawings and specifications	Next Week: essary in SWMU 3 and SWMU 7b; possibly begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA JEB Little Creek harbor (SWMU 7b) 1 scow No of Tank 0 No of Roll-Off Boxes:: TRANSPORTATION AND DISPOSAL Disposal Activites/Summary Quantitites: ATTACHMENTS SEE (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight or is complete and correct and equipment and work performed during this reporting period is the contract drawings and specifications	his week: II # 18; re-dredging as necessary in SWMU 3 based on bathymetric survey Next Week: essary in SWMU 3 and SWMU 7b; possibly begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA JEB Little Creek harbor (SWMU 7b) 1 scow No of Tank 0 No of Roll-Off Boxes:: 0 TRANSPORTATION AND DISPOSAL Disposal Activites/Summary Quantitites: ATTACHMENTS s: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifestory performed during this reporting period is the contract drawings and specifications A HILL, I attest that to the best of my on the complete and correct and equipment and work performed during this reporting period is the contract drawings and specifications	his week: Il # 18; re-dredging as necessary in SWMU 3 based on bathymetric survey Next Week: essary in SWMU 3 and SWMU 7b; possibly begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA JEB Little Creek harbor (SWMU 7b) 1 scow No of Tank 0 No of Roll-Off Boxes:: 0 No. of Drums TRANSPORTATION AND DISPOSAL Disposal Activites/Summary Quantitites: ATTACHMENTS s: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework over the complete and correct and equipment and work performed during this reporting period is the contract drawings and specifications 4/4/



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/09/2013

REPORT NO: 28

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

Picture #	Photo Description/Location	Date	Daily Log #
1	Dredge crew inspecting cracked sheave at head of boom	4/09/13	01
2	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/09/13	02
3	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/09/13	03
4	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/09/13	04
5	Dredging in Cell #17 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #17)	4/09/13	05
6	Dredging in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/09/13	06
7	Dredging in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/09/13	07
8	Dredging in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/09/13	08
9	Workboat WB-39 moving turbidity curtain and oil boom to Cell #18	4/09/13	09
10	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/09/13	10
11	Close-up of dredged sediment in clamshell bucket (SWMU 7b; Cell #18)	4/09/13	11
12	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/09/13	12
13	Dredging in Cell #18 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #18)	4/09/13	13
14	Dredging in Cell #18 with clamshell bucket – marina debris in dredge bucket (SWMU 7b; Cell #18)	4/09/13	14
15	Dredged sediment in scow SC-136 (SWMU 7b; Cell #18)	4/09/13	15
16	Close-up of dredged sediment in scow SC-136 (SWMU 7b; Cell #18)	4/09/13	16



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/10/2013

		II ADDITIONAL SILLE		REVISION DATE: N/A			
				REPORT NO: 29			
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA				
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	ECT DESCRIPTION: Dredging SWMU 7b					
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #18	3 (partial)					
ONSITE SUPPORT: Jeremy Scott			START TIME/ END TIME:	06:05/ 15:43			
AM WEATHER: mild, clear ~65°F	PM WEATHER: wa	rm, clear ~85°F	WIND DIRECTI	ON: SW (10-15 mph)			
	WORK FO	RCE (includes subco	ontractors and visitors)				
Name/Company			Total Hou	ırs Today			
Jeremy Scott/CH2M HILL – QA Manager		9					
David Davis/McLean Contracting - QC Ma	nager	6					
Weldon Diggs/McLean Contracting - Site S	uperintendent	9					
Henry Thrul Jr./McLean Contracting - Open	ator	9					
Gerald Wilson/McClean Contracting - Decl	chand	9					
Patrick Brown/McLean Contracting - Deck	hand	9					
Tim Scott/McLean Contracting – Deckhand		9					
_	SUMMA	RY OF WORK PER	RFORMED TODAY				
EQUIPMENT ON HAND							
Description of Equipment	Make/N	Model/Manufacturer	Equipment ID Numbe	r Calibration Performed By			
127 ton crane with 7 cy clamshell dredge							

FIELD OBSERVATIONS: 0605 – J. Scott at dock waiting on dredge crew 0638 - McLean Contracting dredge crew arrive and set up 0646 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0655 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; scow SC-141 on port side of dredge barge 0715 - Runnerboat placed in water; W. Diggs departs on workboat WB-39 to pick up McLean welder at dock 0732 – Dredge crew and McLean welder inspecting head pulley of crane (cracked sheave at head of boom) 0740 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0755 - Dredge crew back onboard; W. Diggs and McLean welder depart on workboat WB-39 to return McLean welder to dock 0809 - Clamshell bucket rigged onto crane 0816 - W. Diggs back onboard 0822 - Dredging begins in Cell #18 - material continues to be a mixture of sand/silt and muck/mud; top 0-16" is soft dark gray/brown muck/muc with occasional debris (wood, pipe, cable, rope, etc.); 16+" is firm light gray sand/silt; no odors and no sheens observed 0828 - P. Brown collects waste characterization sample from dredge bucket for Bay Environmental 0928 - Scow SC-141 drafting 4.5'; no sheens observed 1002 - Dredging stopped to move dredge barge ahead in Cell #18; unhooking clamshell bucket from crane 1019 - Picking up spuds to move dredge barge ahead in Cell #18 1023 – Spuds up – moving dredge barge 1035 - Dredge barge successfully repositioned and spudded down ahead in Cell #18; re-attaching clamshell bucket to crane 1053 – Dredging resumes in Cell #18; scow SC-141 drafting 5.25'; no sheens observed 1057 - W. Diggs and D. Davis depart on workboat WB-39 to take D. Davis to dock to take waste characterization sample to Bay Environmental 1116 - W. Diggs back onboard 1143 - Scow SC-141 drafting 6'; mild creasote odor smelled and minor sheen observed when dredging occurs near bulkhead of dock - sheen contained within turbidity curtain and oil boom 1238 - Scow SC-141 drafting 7'; mild creasote odor and minor sheen continue - sheen contained within turbidity curtain and oil boom 1325 – W. Diggs departs on workboat WB-39 to pick up D. Davis at dock 1333 - Scow SC-141 drafting 8'; mild creasote odor and minor sheen continue - sheen contained within turbidity curtain and oil boom 1347 - W. Diggs and D. Davis back onboard 1452 - Dredging stopped - scow SC-141 full drafting 8.5 ft (approx. 1,085 cy of sediment dredged from Cell #18; total for Cell #18 = 1,658 cy [1,085+573 cy] -NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; approx. 90% complete with Cell #18 1501 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1508 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place overnight 1519 - Crane picking up runner boat 1528 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1543 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-141 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ☐ No Was A Job Safety Meeting Held This Date? X Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No. ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed **FUTURE WORK** Planned Work for this week: Dredge in Cell # 18; re-dredging as necessary in SWMU 3 based on bathymetric survey Planned Work for Next Week: Re-dredging as necessary in SWMU 3 and SWMU 7b; possibly begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA

Accumulation / Stockpile Area		JEB Little Creek harbor (SV	VMU 7b)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	l Disposal Activite	es/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachment	ts: (examples, as	applicable: submittals, meeting	g minutes, safety	meeting minutes, COCs, we	ght tickets, manife	ests, profiles, rework	item list, etc.):
None							
knowledge the rep material used and in compliance with	ort is complete and work performed du the contract draw	at to the best of my d correct and equipment and uring this reporting period is rings and specifications		Je de		4,	/10/2013
except as noted in	this report			PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/10/2013

REPORT NO: 29

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

Picture #	Photo Description/Location	Date	Daily Log #
1	Dredge crew inspecting cracked sheave at head of boom; worker using fall suppression harness on crane boom	4/10/13	01
2	Dredge crew inspecting cracked sheave at head of boom; worker using fall suppression harness on crane boom	4/10/13	02
3	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	03
4	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	04
5	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	05
6	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	06
7	Close-up of dredged sediment in clamshell bucket as deckhand collecting waste characterization sample (SWMU 7b; Cell #18)	4/10/13	07
8	Close-up of dredged sediment in clamshell bucket as deckhand collecting waste characterization sample (SWMU 7b; Cell #18)	4/10/13	08
9	Close-up of dredged sediment in clamshell bucket as deckhand collecting waste characterization sample (SWMU 7b; Cell #18)	4/10/13	09
10	Close-up of dredged sediment in clamshell bucket as deckhand collecting waste characterization sample (SWMU 7b; Cell #18)	4/10/13	10
11	Close-up of dredged sediment in clamshell bucket as deckhand collecting waste characterization sample (SWMU 7b; Cell #18)	4/10/13	11
12	Close-up of dredged sediment in clamshell bucket as deckhand collecting waste characterization sample (SWMU 7b; Cell #18)	4/10/13	12
13	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	13
14	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	14
15	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	15
16	Dredging in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/10/13	16
17	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/10/13	17
18	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/10/13	18
19	Close-up of dredged sediment in scow SC-141 (SWMU 7b; Cell #18)	4/10/13	19
20	Dredged sediment in scow SC-141 (SWMU 7b; Cell #18)	4/10/13	20
21	Dredged sediment in scow SC-141 (SWMU 7b; Cell #18)	4/10/13	21



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/11/2013

PROJECT NAME / LOCATION: JEB Little PROJECT NUMBER: 457901.CE.GN	,		Beach, VA		REVISION NO. 0 REVISION DATE: N/A REPORT NO: 30
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #18		1110 70		
ONSITE SUPPORT: Jeremy Scott	Con(o) Broagea. With	(remainder)	START T	ΓΙΜΕ/ END TIME:	06:05/17:12
AM WEATHER: mild, clear ~65°F	PM WEATHER: wa	ırm, clear ~85°F	1	WIND DIRECTION	I: SW (10-15 mph)
	WORK FO	RCE (includes subc	ontractors	and visitors)	
Name/Company				Total Hours	Today
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting - QC Ma	nager	9			
Weldon Diggs/McLean Contracting - Site S	uperintendent	10			
Henry Thrul Jr./McLean Contracting - Open	ator	10			
Gerald Wilson/McClean Contracting - Decl	khand	10			
Patrick Brown/McLean Contracting - Deck	nand	10			
Tim Scott/McLean Contracting – Deckhand		10			
	SUMMA	RY OF WORK PE	RFORMEI	O TODAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/N	Model/Manufacturer	Eq	uipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge					

0638 - McLean Contracting dredge crew arrive and set up 0649 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0700 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; scow SC-142 on port side of dredge barge; McLean welder on adjacent dock waiting to repair cracked sheave at head of boom 0720 - Welding machine placed on adjacent dock by crane 0729 - Cutting torch rack placed on adjacent dock by crane 0733 - Crane boom laid down on adjacent dock for welder to fix cracked sheave at head of boom 0759 - McLean welder begins repairing crached sheave at head of boom; deckhands refueling generator and crane 0819 - D. Davis onsite by vehicle at adjacent dock 0844 - Refueling activities complete; crew performing general maintenance on crane, dredge buckets, and dredge barge 1012 - Workboat WB-39 stretching turbidity curtain and oil boom around scow and dredge barge 1054 – Repairs complete on sheave – dredge crew cleaning up adjacent dock area 1109 - Crane picking up welding machine and cutting torch rack and placing back on dredge barge 1120 – McLean welder departs site 1131 – Runnerboat placed in water 1134 – Clamshell bucket rigged onto crane 1140 - Dredging begins in Cell #18 - material continues to be a mixture of sand/silt and muck/mud; top 0-16" is soft dark gray/brown muck/mud with occasional debris (wood, pipe, cable, rope, etc.); 16+" is firm light gray sand/silt; strong creasote odor smelled and moderate sheen observed when dredging occurs near bulkhead of dock – sheen contained within turbidity curtain and oil boom 1235 - Scow SC-142 drafting 4.5'; mild creasote odor and minor sheen continue - sheen contained within turbidity curtain and oil boom 1259 - D. Davis departs dredge barge by truck parked at adjacent dock 1313 – Dredging stopped – dredging complete with Cell #18 and scow SC-142 drafting 5 ft (approx. 241 cy of sediment dredged from Cell #18; total for Cell #18 = 1,899 cy [241+1,085+573 cy] - NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow; dredging complete with SWMU 7b 1316 – Unhooking clamshell bucket from crane 1320 - D. Davis back onboard 1322 - J. Scott emails C. Landin, B. Harris, and N. Price (CH2M HILL) to advise them dredging is complete in SWMU 7b 1329 - Workboat WB-39 attaches to scow SC-142 1347 - Workboat WB-39 departs with scow SC-142 to stage at 5th pier of SWMU 3 (receiving assistance from a Navy workboat); runnerboat untying turbidity curtain and oil boom and preparing for movement to SWMU 3 1434 - Workboat WB-39 back and attaching to dredge barge 1443 – Picking up spuds to move dredge barge to SWMU 3 (dry dock area) 1446 - Spuds up - moving dredge barge to SWMU 3 1520 - Spuds down at traffic control tower across harbor from dry dock area (SWMU 3) to lift 1 concrete anchor block for Navy and place onto deck of their workboat 1532 – Picking up spuds to move dredge barge to SWMU 3 (dry dock area) 1536 – Spuds up – moving dredge barge to SWMU 3 1552 – Dredge barge successfully moved and spudded down in Cell # 8 of SWMU 3 1558 - Workboat WB-39 and runnerboat depart to retrieve turbidity curtain and oil boom from SWMU 7b (Desert Cove) 1639 - Workboat WB-39 and runnerboat back and staging oil boom and turbidity curtain alongside dredge barge 1701 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1706 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1712 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: None HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None

FIELD OBSERVATIONS:

0605 - J. Scott at dock waiting on dredge crew

			FUTURE	WORK			
Planned Work for t	his week:						
Re-dredging a	as necessary in SV	VMU 3 based on bathymetric s	urvey				
Planned Work for N	Next Week:						
Re-dredging as nec	essary in SWMU	3 and SWMU 7b; possibly beg	in backfilling in	SWMU 3			
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (SW	/MU 7b)				
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	N AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTACH	IMENTS			
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):
None							
	ort is complete and	correct and equipment and		0 - 6	_		
		iring this reporting period is ings and specifications		JT W		4/	11/2013
except as noted in t	his report	-		PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE : 04/11/2013 REPORT NO: 30

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 7b

Picture #	Photo Description/Location	Date	Daily Log #
1	Crane lifting welding machine and placing on adjacent dock	4/11/13	01
2	Crane lifting welding machine and placing on adjacent dock	4/11/13	02
3	Crane lifting cutting torch rack and placing on adjacent dock	4/11/13	03
4	Crane lifting cutting torch rack and placing on adjacent dock	4/11/13	04
5	Dredge crew inspecting cracked sheave at head of boom	4/11/13	05
6	Work area on adjacent dock – welding machine and cutting torch rack in place on dock	4/11/13	06
7	Work area on adjacent dock – crane boom laid down on dock	4/11/13	07
8	Close-up of cracked sheave at head of boom	4/11/13	08
9	Close-up of cracked sheave at head of boom	4/11/13	09
10	Close-up of cracked sheave at head of boom	4/11/13	10
11	Close-up of cracked sheave at head of boom	4/11/13	11
12	Welder repairing cracked sheave at head of boom	4/11/13	12
13	Welder repairing cracked sheave at head of boom	4/11/13	13
14	Welder repairing cracked sheave at head of boom	4/11/13	14
15	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	15
16	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	16
17	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	17
18	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	18
19	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	19
20	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	20
21	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	21
22	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	22
23	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	23
24	Close-up of sheen observed during dredging in Cell #18 near bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	24
25	Close-up of sheen observed during dredging in Cell #18 near bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	25
26	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	26
27	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	27
28	Dredging in Cell #18 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #18)	4/11/13	28
29	Workboat WB-39 moving scow SC-142 to SWMU 3	4/11/13	29
30	Workboat WB-39 moving scow SC-142 to SWMU 3 with assistance from Navy workboat	4/11/13	30
31	Crane lifting concrete anchor block for Navy	4/11/13	31
32	Crane placing concrete anchor block on deck of Navy's workboat	4/11/13	32



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/12/2013

REVISION NO: 0
REVISION DATE: N/A

					DEPORT NO. 21	
					REPORT NO: 31	
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	L		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SV	WMU 3			
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #8	(re-dredge)				
ONSITE SUPPORT: Jeremy Scott			START T	TIME/ END TIME:	06:05/ 14:34	
AM WEATHER: mild, overcast ~65°F	PM WEATHER: mil	ld, overcast ~70°F	WIND DIRECTION: SW (15-20 mph)			
	WORK FO	RCE (includes subc	ontractors	and visitors)		
Name/Company		Total Hours Today				
Jeremy Scott/CH2M HILL – QA Manager		8				
David Davis/McLean Contracting - QC Man	nager	8				
Weldon Diggs/McLean Contracting – Site S	uperintendent	8				
Henry Thrul Jr./McLean Contracting - Oper	rator	8				
Gerald Wilson/McClean Contracting – Deck	8					
Patrick Brown/McLean Contracting - Deckl	nand	8				
Tim Scott/McLean Contracting – Deckhand		7				

SUMMARY OF WORK PERFORMED TODAY EQUIPMENT ON HAND Description of Equipment Make/Model/Manufacturer Equipment ID Number Calibration Performed By 127 ton crane with 16 cy environmental dredge

FIELD OBSERVATIONS: 0605 – J. Scott at dock waiting on dredge crew 0638 - McLean Contracting dredge crew arrive and set up 0647 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0652 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; D. Davis loading dredge prism files into HyPack 0709 – Runnerboat placed in water 0725 - Workboat WB-39 departs to retrieve scow SC-142 staged at 5th pier - will get assistance from inbound Navy workboat due to high winds 0744 - Scow SC-142 arrives and successfully moored to port side of dredge barge; scow SC-142 drafting 5 ft 0749 - Workboat WB-39 and runnerboat stretching turbidity curtain and oil boom around scow and dredge barge; environmental bucket (16 cy) rigged onto crane 0831 - Dredging begins in Cell #8 - material is dark gray/black soft muck/mud with little to no sand/silt and strong sulfur odor and occasional wood debris and marina dock trash (rope, cable, plastic sheathing, etc.); sheens observed - contained within oil boom and turbidity curtain 0836 - Light rain begins 0935 - Scow SC-142 drafting 5.5'; minor sheen continues - sheen contained within turbidity curtain and oil boom 1031 - Scow SC-142 drafting 6.5'; minor sheen continues - sheen contained within turbidity curtain and oil boom 1039 - Dredging stopped to move dredge barge ahead in Cell #8; unhooking environmental bucket from crane 1055 – Picking up spuds to move dredge barge ahead in Cell # 8 1059 – Spuds up – moving dredge barge 1113 – Light rain stops 1120 - Dredge barge successfully repositioned and spudded down ahead in Cell #8; re-attaching environmental bucket to crane 1122 - J. Scott receives call from B. Harris (CH2M HILL) to discuss Construction Completion Memorandum and check status and schedule of re-dredging 1143 – Dredging resumes in Cell #8 1213 - Scow SC-142 drafting 7.5'; minor sheen continues - sheen contained within turbidity curtain and oil boom 1302 - Dredging stopped - re-dredging complete with Cell #8 and scow SC-142 full drafting 8 ft (approx. 568 cy of sediment dredged from Cell #8; total for Cell #8 = 1,093 cy [568+525] - NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1310 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1323 – Unhooking environmental bucket from crane 1325 - W. Diggs and T. Scott depart on workboat WB-39 to take T. Scott to dock to go to an appointment 1329 - W. Diggs back onboard; workboat WB-39 attaching to full scow SC-142 1335 – Workboat WB-39 departs with with scow SC-142 to stage at 5th pier 1401 – Workboat WB-39 back and attaching to dredge barge 1406 - Picking up bow spud to move dredge barge out of marina traffic area 1408 - Spud up - moving dredge barge 1411 - Dredge barge successfully repositioned and spudded down near Cell #8 out of marina traffic area 1412 - Crane picking up runner boat; crew staging dredge barge to remain in place over weekend 1423 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1434 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ✓ Yes ☐ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ☐ Yes ⊠ No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): FUTURE WORK Planned Work for this week: None - end of week Planned Work for Next Week: Re-dredging as necessary in SWMU 3 and SWMU 7b; possibly begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA

Accumulation / Stockpile Area		JEB Little Creek harbo	or (SWMU 3)				
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums 0	
Notes:							
			TRANSPORT	ATION AND DISPOSAL			
Transportation an	nd Disposal Acti	vites/Summary Quantitites:					
None observed							
			AT	TACHMENTS			
List of Attachmen	nts: (examples,	as applicable: submittals, me	eeting minutes,	safety meeting minutes, COCs, we	ight tickets, 1	manifests, profiles, rework item list, etc.):	
None							
knowledge the re material used and in compliance wi	port is complete I work performe th the contract d	st that to the best of my and correct and equipment a d during this reporting period rawings and specifications		Jes do	_	4/12/2013	
except as noted in	n this report		·	PREPARER'S SIGNATURE		DATE	



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/12/2013

REPORT NO: 31

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Workboat WB-39 moving turbidity curtain and oil boom	4/12/13	01
2	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	02
3	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	03
4	Re-dredging in Cell #8 with environmental bucket (SWMU 3; Cell #8)	4/12/13	04
5	Re-dredging in Cell #8 with environmental bucket (SWMU 3; Cell #8)	4/12/13	05
6	Re-dredging in Cell #8 with environmental bucket (SWMU 3; Cell #8)	4/12/13	06
7	Re-dredging in Cell #8 with environmental bucket (SWMU 3; Cell #8)	4/12/13	07
8	Re-dredging in Cell #8 with environmental bucket (SWMU 3; Cell #8)	4/12/13	08
9	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	09
10	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	10
11	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	11
12	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	12
13	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	13
14	Minor sheen observed during re-dredging in Cell #8 (SWMU 3, Cell #8)	4/12/13	14
15	Minor sheen observed during re-dredging in Cell #8 (SWMU 3, Cell #8)	4/12/13	15
16	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	16
17	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	17
18	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	18
19	Re-dredging in Cell #8 with environmental bucket in close proximity to dry dock pier (SWMU 3; Cell #8)	4/12/13	19



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/15/2013

	(ATTAC	H ADDITIONAL SHEE	ARY)	REVISION DATE: N/A REPORT NO: 32	
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SW	/MU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #15 #10	5 (re-dredge)) (re-dredge)			
ONSITE SUPPORT: Jeremy Scott			START TIM	IE/ END TIME:	06:09/ 16:36
AM WEATHER: mild, overcast ~60°F	PM WEATHER: mil	ld, overcast ~65°F	V	VIND DIRECTION	: E (10-15 mph)
	WORK FO	RCE (includes subco	ontractors and	d visitors)	
Name/Company				Total Hours	Today
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting – QC Ma	nager	10			
Weldon Diggs/McLean Contracting - Site S	uperintendent	9			
Henry Thrul Jr./McLean Contracting - Open	rator	10			
Gerald Wilson/McClean Contracting – Decl	chand	10			
Patrick Brown/McLean Contracting - Deck	hand	10			
Tim Scott/McLean Contracting – Deckhand		10			
	SUMMA	RY OF WORK PER	RFORMED T	ODAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/N	Model/Manufacturer	Equip	ment ID Number	Calibration Performed By
127 ton crane with 16 cy environmental drea	dge				

0609 - J. Scott at dock waiting on dredge crew 0715 - McLean Contracting dredge crew and McLean mechanic arrive and set up 0720 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0726 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; empty scow SC-136 moored on port side of dredge barge 0734 – McLean mechanic working on crane throttle 0757 - D. Davis and McLean mechanic depart dredge barge by workboat WB-39 to go to auto parts store to get supplies to repair crane engine 0848 - D. Davis and McLean mechanic back onboard; McLean mechanic resumes fixing crane 0919 – D. Davis departs on workboat WB-39 to pick up D. Diggs at dock 0927 - D. Davis back onboard; W. Diggs and McLean mechanic depart dredge barge on workboat WB-39 to take mechanic back to dock - repairs complete on crane 0934 - Runnerboat placed in water; W. Diggs back onboard 0953 – Picking up spuds to move dredge barge to Cell #15 for re-dredging (2nd pass) 0958 – Spuds up – moving dredge barge 1009 – Dredge barge successfully moved and spudded down on west side of Cell #15 1012 - Workboat WB-39 attaching to scow SC-136 1018 - Workboat WB-39 departs with scow SC-136 to move to starboard side of dredge barge 1027 - Scow SC-136 successfully moored to starboard side of dredge barge 1031 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge; environmental bucket (16 cy) rigged onto crane 1102 - Re-dredging (2nd pass) begins in Cell #15 - stopped immediately after 1st bucket attempt due to large chain (likely old dry dock anchor chain) stuck in dredge bucket and pinning bucket closed - crew binding chain to dredge barge to pull out of dredge bucket 1110 - Old chain successfully freed from dredge bucket - dredging resumes in Cell #15 - material is dark gray/black soft muck/mud with little to no sand/silt and no sheens and no odors 1130 - Same large chain stuck in dredge bucket again - crew binding chain to dredge barge to pull out of dredge bucket 1135 - Old chain successfully freed from dredge bucket again - dredging resumes in Cell #15 1145 - D. Davis collects sediment waste characterization sample for Bay Environmental from dredge bucket - will deliver at end of shift 1218 - Scow SC-136 drafting 3.5'; no sheens observed 1303 – Dredging stopped – re-dredging complete with Cell #15 (approx. 403 cy of sediment dredged from Cell #15; total for Cell #15 = 1,315 cy [403+912] – NOTE: likely not accurate); unhooking environmental bucket from crane 1326 – Picking up spuds to move dredge barge to Cell # 10 for re-dredging (2nd pass) 1329 – Spuds up – moving dredge barge 1348 - Dredge barge successfully moved and spudded down on west side of Cell # 10; re-attaching environmental bucket to crane 1407 - Re-dredging (2nd pass) begins in Cell #10 - material is dark gray/black soft muck/mud with little to no sand/silt and no odors; minor sheen observed - sheen contained within turbidity curtain and oil boom; scow SC-136 drafting 4.5' 1443 - Scow SC-136 drafting 5.5'; minor sheen continues - sheen contained within turbidity curtain and oil boom 1520 - Scow SC-136 drafting 6.5'; minor sheen continues - sheen contained within turbidity curtain and oil boom 1557 - Dredging stopped - re-dredging complete with Cell #10 (approx. 445 cy of sediment dredged from Cell #10; total for Cell #10 = 1,396 cy [445+951] - NOTE: likely not accurate); unhooking environmental bucket from crane 1612 – Picking up spuds to move dredge barge to Cell # 13 1615 – Spuds up – moving dredge barge 1620 - Dredge barge successfully moved and spudded down on south side of Cell #13; crew staging dredge barge to remain in place overnight 1622 – Crane picking up runner boat; 1630 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1636 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: ACTION ITEMS/FOLLOW UP: None HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ☐ Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes No No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? X Yes (by □ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None **FUTURE WORK**

FIELD OBSERVATIONS:

Planned Work fo	or this week:						
Re-dredgin	ng as necessary in	SWMU 3 and SWMU 7b; possi	ibly begin ba	ackfilling in SWMU 3			
Planned Work fo	or Next Week:						
Re-dredging as r	necessary in SWN	IU 7b; begin backfilling in SWM	MU 3				
		WASTI	E ACCUMU	ULATION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S	SWMU 3)				
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TF	RANSPORT	CATION AND DISPOSAL			
Transportation a	nd Disposal Activ	rites/Summary Quantitites:					
None observed							
			AT	TACHMENTS			
List of Attachme	ents: (examples,	as applicable: submittals, meetir	ng minutes,	safety meeting minutes, COCs, we	ight tickets, i	manifests, profiles, rework	k item list, etc.):
None							
knowledge the re material used an	eport is complete d work performed	t that to the best of my and correct and equipment and I during this reporting period is awings and specifications		gs do	_	4	1/15/2013
except as noted i		awnigs and specifications		PREPARER'S SIGNATURE			DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/15/2013

REPORT NO: 32

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Old chain caught in dredge bucket (SWMU 3; Cell #15)	4/15/13	01
2	Old chain caught in dredge bucket (SWMU 3; Cell #15)	4/15/13	02
3	Old chain caught in dredge bucket (SWMU 3; Cell #15)	4/15/13	03
4	Old chain caught in dredge bucket – crew binding to dredge barge to pull out of bucket (SWMU 3; Cell #15)	4/15/13	04
5	Re-dredging in Cell #15 with environmental bucket with old chain caught in bucket (SWMU 3; Cell #15)	4/15/13	05
6	Re-dredging in Cell #15 with environmental bucket with old chain falling out of bucket (SWMU 3; Cell #15)	4/15/13	06
7	Re-dredging in Cell #15 with environmental bucket (SWMU 3; Cell #15)	4/15/13	07
8	Re-dredging in Cell #15 with environmental bucket (SWMU 3; Cell #15)	4/15/13	08
9	Re-dredging in Cell #15 with environmental bucket (SWMU 3; Cell #15)	4/15/13	09
10	Re-dredging in Cell #15 with environmental bucket (SWMU 3; Cell #15)	4/15/13	10
11	Old chain caught in dredge bucket again – crew binding to dredge barge to pull out of bucket (SWMU 3; Cell #15)	4/15/13	11
12	Re-dredging in Cell #10 with environmental bucket (SWMU 3; Cell #10)	4/15/13	12
13	Re-dredging in Cell #10 with environmental bucket (SWMU 3; Cell #10)	4/15/13	13
14	Re-dredging in Cell #10 with environmental bucket (SWMU 3; Cell #10)	4/15/13	14
15	Re-dredging in Cell #10 with environmental bucket (SWMU 3; Cell #10)	4/15/13	15



REPORT DATE: 04/16/2013

OI MAINTINE		(ATTAC	H ADDITIONAL SHEE	REVISION NO: 0 REVISION DATE: N/A REPORT NO: 33				
PROJECT NAME / LOCATION: JEB Litt	le Creek SW	/MU 3 and	SWMU 7b / Virginia	Beach, VA				
PROJECT NUMBER: 457901.CE.GN	PROJECT	DESCRIP	TION: Dredging SW	MU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) Dr	#14	(re-dredge) (re-dredge) (re-dredge)					
ONSITE SUPPORT: Jeremy Scott				START 7	TIME/ END TIME:	06:12/ 17:01		
AM WEATHER: mild, clear ~60°F	PM WEA	THER: mi	ld, clear ~75°F		WIND DIRECTION:	SE (5-10 mph)		
	7	VORK FO	RCE (includes subco	ntractors	and visitors)			
Name/Company			Total Hours Today					
Jeremy Scott/CH2M HILL – QA Manager			10					
David Davis/McLean Contracting – QC Man	nager		10					
Weldon Diggs/McLean Contracting - Site S	uperintende	nt	10					
Henry Thrul Jr./McLean Contracting - Oper	ator		10					
Gerald Wilson/McClean Contracting – Deck	hand		10					
Patrick Brown/McLean Contracting - Deckl	nand		10					
Tim Scott/McLean Contracting – Deckhand			10					
		SUMMA	RY OF WORK PER	FORMEI	TODAY			
EQUIPMENT ON HAND								
Description of Equipment Make/N			Model/Manufacturer	Eq	uipment ID Number	Calibration Performed By		
127 ton crane with 16 cy environmental dredge and 9 cy clamshell dredge								

0635 - McLean Contracting dredge crew arrive and set up 0647 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0651 – J. Scott and McLean crew onboard dredge barge – getting started and setting up; scow SC-136 moored on starboard side of dredge barge drafting 7' 0701 – Runnerboat placed in water 0708 - Dredge crew inspecting repaired sheave at head of crane boom; refueling crane 0735 – Refueling activities complete 0743 – Crane loading fuel tank onto workboat WB-39 0746 – Crane loading port-a-jon onto workboat WB-39 0755 – Picking up spuds to move dredge barge ahead in Cell # 13 for re-dredging (2nd pass) 0758 – Spuds up – moving dredge barge 0813 - Dredge barge successfully moved ahead and spudded down on south side of Cell # 13; environmental bucket (16 cy) rigged onto crane 0822 - Re-dredging (2nd pass) begins in Cell #13 - material is dark gray/black soft muck/mud with little to no sand/silt and no odors and no sheens observed 0842 - W. Diggs and D. Davis depart on workboat WB-39 to meet port-a-john company and fuel truck company at dock to clean out port-a-john and refill fuel tank 0933 - Dredging stopped - re-dredging complete with Cell #13 and scow SC-136 full drafting 8.5' (approx. 258 cy of sediment dredged from Cell #13; total for Cell #13 = 1,391 cy [258+1133] - NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 0944 - W. Diggs and D. Davis back onboard 0958 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1009 - Workboat WB-39 attaching to scow SC-136 1019 - Workboat WB-39 departs with scow SC-136 to stage at 5th pier; unhooking environmental bucket from crane 1035 - Crane picking up fuel tank from workboat WB-39 and placing back on dredge barge 1038 - Crane picking up port-a-jon from workboat WB-39 and placing back on dredge barge 1049 – Picking up spuds to move dredge barge to Cell # 14 for re-dredging (2nd pass) 1053 – Spuds up – moving dredge barge 1100 - Dredge barge successfully moved and spudded down on south side of Cell # 14; dredge crew performing O&M and standing-by waiting on delivery of new scow 1159 – W. Diggs leads impromptu huddle-up safety meeting and job recap 1330 – Re-attaching environmental bucket to crane 1335 - Tug Hoss arrives and delivers empty scow SC-141 - scow successfully moored on starboard side of dredge barge 1338 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge; tug Hoss departs to retrieve full scow SC-136 staged at 5th pier and transport to processing facility 1349 - Re-dredging (2nd pass) begins in Cell #14 - material is dark gray/black soft muck/mud with some fine sand/silt and no odors; moderate sheen observed - sheen contained within turbidity curtain and oil boom 1440 - Dredging stopped - re-dredging complete with Cell #14 (approx. 222 cy of sediment dredged from Cell #14; total for Cell #14 = 1,113 cy [222+891] - NOTE: likely not accurate); unhooking environmental bucket from crane; scow SC-141 drafting 4' 1454 – Picking up spuds to move dredge barge to Cell # 9 for re-dredging (2nd pass) 1457 – Spuds up – moving dredge barge 1524 - Dredge barge successfully moved and spudded down on west side of Cell #9; clamshell bucket (9 cy) rigged onto crane 1545 - Re-dredging (2nd pass) begins in Cell #9 - material is a mixture of dark gray/black soft muck/mud and light gray fine sand/silt and no odors; minor sheen observed - sheen contained within turbidity curtain and oil boom 1618 – J. Scott receives call from B. Harris (CH2M HILL) for an update on re-dredging progress 1631 – Dredging stopped – re-dredging complete with Cell #9 (approx. 294 cy of sediment dredged from Cell #9; total for Cell #9 = 961 cy [294+667] – NOTE: likely not accurate); unhooking clamshell bucket from crane; scow SC-141 drafting 5.5° 1639 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1653 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1701 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-136 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No. Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No No

FIELD OBSERVATIONS:

0612 - J. Scott at dock waiting on dredge crew

SAFETY ACTION	NS TAKEN TOD	AY (Include Observations of	any Safety Violat	tions, Corrective Instructions	Given, and Correct	tive Actions Taken)	:	
None								
			FUTURE	E WORK				
Planned Work for t	his week:							
Re-dredging a	as necessary in SW	VMU 3 and SWMU 7b; possib	ly begin backfilli	ing in SWMU 3				
Planned Work for 1	Next Week:							
Re-dredging as nec	essary in SWMU	7b; begin backfilling in SWM	U 3					
		WASTE	ACCUMULATI	ION/STOCKPILE AREA				
Accumulation / Stockpile Area		JEB Little Creek harbor (SV	VMU 3)					
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0	
Notes:								
		TRA	ANSPORTATIO	ON AND DISPOSAL				
Transportation and	Disposal Activites	s/Summary Quantitites:						
None observed								
			ATTACI	HMENTS				
List of Attachment	s: (examples, as a	applicable: submittals, meeting	g minutes, safety	meeting minutes, COCs, weig	ght tickets, manife	sts, profiles, rework	item list, etc.):	
None								
material used and v in compliance with	ort is complete and work performed du the contract draw	at to the best of my correct and equipment and uring this reporting period is ings and specifications		Jes de			16/2013	
except as noted in t	except as noted in this report PREPARER'S SIGNATURE DATE							



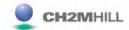
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/16/2013 REPORT NO: 33

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

Picture	Photo Description/Location	Date	Daily
#		Date	Log #
1	Dredge crew inspecting repaired sheave at head of crane boom	4/16/13	01
2	Dredged sediment in scow SC-136 (SWMU 3; Cell #13)	4/16/13	02
3	Crane lifting fuel tank and placing on workboat WB-39	4/16/13	03
4	Crane lifting fuel tank and placing on workboat WB-39	4/16/13	04
5	Crane lifting port-a-john and placing on workboat WB-39	4/16/13	05
6	Re-dredging in Cell #13 with environmental bucket (SWMU 3; Cell #13)	4/16/13	06
7	Re-dredging in Cell #13 with environmental bucket (SWMU 3; Cell #13)	4/16/13	07
8	Re-dredging in Cell #13 with environmental bucket (SWMU 3; Cell #13)	4/16/13	08
9	Re-dredging in Cell #13 with environmental bucket (SWMU 3; Cell #13)	4/16/13	09
10	Runnerboat stretching out turbidity curtain and oil boom (SWMU 3; Cell #13)	4/16/13	10
11	Close-up of re-dredging in Cell #13 with environmental bucket (SWMU 3; Cell #13)	4/16/13	11
12	Close-up of re-dredging in Cell #13 with environmental bucket (SWMU 3; Cell #13)	4/16/13	12
13	Sheen observed during dredging in Cell #14 (SWMU 3; Cell #14)	4/16/13	13
14	Sheen observed during dredging in Cell #14 (SWMU 3; Cell #14)	4/16/13	14
15	Re-dredging in Cell #9 with clamshell bucket; deckhand securing turbidity curtain and oil boom to dock (SWMU 3; Cell #9)	4/16/13	15
16	Re-dredging in Cell #9 with clamshell bucket (SWMU 3; Cell #9)	4/16/13	16
17	Re-dredging in Cell #9 with clamshell bucket (SWMU 3; Cell #9)	4/16/13	17



127 ton crane with 9 cy clamshell dredge

DAILY REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/17/2013

REVISION NO: 0
REVISION DATE: N/A

				,	REVISION DATE: N/A
					REPORT NO: 34
PROJECT NAME / LOCATION: JEB Little	le Creek SWMU 3 and	SWMU 7b / Virginia B	each, VA		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Dredging SWN	MU 3		
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #7 #3	(re-dredge) (re-dredge)			
ONSITE SUPPORT: Jeremy Scott			START T	TIME/ END TIME:	06:05/ 15:50
AM WEATHER: mild, clear ~60°F	PM WEATHER: wa	rm, clear ~85°F		WIND DIRECTION:	S (5-10 mph)
	WORK FO	RCE (includes subcon	tractors	and visitors)	
Name/Company				Total Hours	Годау
Jeremy Scott/CH2M HILL – QA Manager		9			
David Davis/McLean Contracting – QC Mar	nager	9			
Weldon Diggs/McLean Contracting – Site S	uperintendent	9			
Henry Thrul Jr./McLean Contracting - Oper	ator	9			
Gerald Wilson/McClean Contracting – Deck	thand	7			
Patrick Brown/McLean Contracting - Deckh	nand	9			
Tim Scott/McLean Contracting – Deckhand 9					
	SUMMA	RY OF WORK PERF	FORMED	TODAY	
EQUIPMENT ON HAND					
Description of Equipment	Make/N	/Iodel/Manufacturer	Equ	uipment ID Number	Calibration Performed By

0635 - McLean Contracting dredge crew arrive and set up 0647 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0652 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; scow SC-141 moored on starboard side of dredge barge drafting 5.5' 0703 – Runnerboat placed in water 0710 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 0757 – Picking up spuds to move dredge barge to Cell #7 for re-dredging (2nd pass) 0800 - Spuds up - moving dredge barge 0828 - Dredge barge successfully moved and spudded down on east side of Cell #7 0831 - Clamshell bucket (9 cy) rigged onto crane; runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0909 - Re-dredging (2nd pass) begins in Cell #7 - material is a mixture of dark gray/black soft muck/mud and light gray fine sand/silt and no odors; minor sheen observed - sheen contained within turbidity curtain and oil boom 0940 - Dredging stopped - re-dredging complete with Cell #7 (approx. 123 cy of sediment dredged from Cell #7; total for Cell #7 = 1,434 cy [123+1,311] - NOTE: likely not accurate); unhooking clamshell bucket from crane; scow SC-141 drafting 6' 1008 – Picking up spuds to move dredge barge to Cell #3 for re-dredging (2nd pass) 1011 – Spuds up – moving dredge barge 1041 – Dredge barge successfully moved and spudded down on east side of Cell #3 1112 - Re-dredging (2nd pass) begins in Cell #3 - material is a coarse gray mixture of muck/mud and f ine sand/silt and no odors and no sheens 1210 - W. Diggs departs on workboat WB-39 to collect supplies from dock 1218 - Scow SC-141 drafting 8'; no sheens observed 1242 – Dredging stopped to move dredge barge ahead in Cell #3; W. Diggs back onboard 1258 - Unhooking clamshell bucket from crane 1316 - Picking up spuds to move dredge barge ahead in Cell #3 1320 - Spuds up - moving dredge barge 1326 – Dredge barge successfully repositioned and spudded down ahead in Cell #3 1339 - Dredging resumes in Cell #3 1343 - Observed C. Landin (CH2M HILL) and large contigent of people (10 total) observing dredging operations from nearby shoreline 1355 - W. Diggs and G. Wilson depart on workboat WB-39 to take G. Wilson to dock to go to an appointment 1406 – W. Diggs back onboard 1410 - Dredging stopped - re-dredging complete with Cell #3 and scow SC-141 full drafting 9' (approx. 578 cy of sediment dredged from Cell #3; total for Cell #3 = 1,627 cy [578+1049] - NOTE: likely not accurate); deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1417 – Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1420 - C. Landin and observers depart 1428 - Workboat WB-39 attaching to scow SC-141 1433 - Workboat WB-39 departs with scow SC-141 to stage at 5th pier 1439 – Unhooking clamshell bucket from crane 1451 - Workboat WB-39 back and attaching to dredge barge 1455 – Picking up spuds to move dredge barge to Cell #2 for re-dredging (2nd pass) 1459 – Spuds up – moving dredge barge 1507 - Dredge barge successfully moved and spudded down on east side of Cell #2; crew staging dredge barge to remain in place overnight 1532 - Crane picking up runner boat 1542 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1550 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-141 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes □ No Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes No No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes ⊠ No

FIELD OBSERVATIONS:

0605 – J. Scott at dock waiting on dredge crew

SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of a	ny Safety Violat	ions, Corrective Instructions	Given, and Correct	tive Actions Taken)	
None							
			FUTURE	WORK			
Planned Work for t	his week:						
Re-dredging	as necessary in SW	VMU 3 and SWMU 7b; possible	y begin backfilli	ng in SWMU 3			
Planned Work for 1	Next Week:						
Re-dredging as nec	essary in SWMU	7b; begin backfilling in SWMU	J 3				
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area	(
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	N AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTACE	IMENTS			
List of Attachment	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):
None							
material used and v	ort is complete and work performed du the contract draw	at to the best of my I correct and equipment and uring this reporting period is ings and specifications		Jes de	_	4/	17/2013
except as noted in t	except as noted in this report PREPARER'S SIGNATURE DATE						



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/17/2013

REPORT NO: 34

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Picture #	Photo Description/Location	Date	Daily Log #
1	Re-dredging in Cell #7 with clamshell bucket; deckhands securing turbidity curtain and oil boom to dock (SWMU 3; Cell #7)	4/17/13	01
2	Re-dredging in Cell #7 with clamshell bucket; deckhands securing turbidity curtain and oil boom to dock (SWMU 3; Cell #7)	4/17/13	02
3	Re-dredging in Cell #7 with clamshell bucket; deckhands securing turbidity curtain and oil boom to dock (SWMU 3; Cell #7)	4/17/13	03
4	Re-dredging in Cell #7 with clamshell bucket; deckhands securing turbidity curtain and oil boom to dock (SWMU 3; Cell #7)	4/17/13	04
5	Re-dredging in Cell #7 with clamshell bucket (SWMU 3; Cell #7)	4/17/13	05
6	Re-dredging in Cell #7 with clamshell bucket (SWMU 3; Cell #7)	4/17/13	06
7	Re-dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	4/17/13	07
8	Re-dredging in Cell #3 with clamshell bucket (SWMU 3; Cell #3)	4/17/13	08



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/18/2013

(ATTACH ADDITIONAL SHEETS IF NECESSARY) PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA					REVISION DA	ATE: N/A		
PROJECT NAME / LOCATION. JEB LIII. PROJECT NUMBER: 457901.CE.GN								
PROJECT NUMBER: 43/901.CE.GN PROJECT MANAGER: Brooke Harris	PROJECT DESCRIP		VMU 3					
PROJECT MANAGER: Brooke Harris	Cell(s) Dredged: #2 (#6)	(re-dredge)						
ONSITE SUPPORT: Jeremy Scott			START T	IME/ END TIME:	06:0	1/ 16:49		
AM WEATHER: mild, clear ~60°F	PM WEATHER: wa	rm, clear ~80°F		WIND DIRECTION	: SE (10-15 mph	1)		
	WORK FO	RCE (includes subco	ontractors a	and visitors)				
Name/Company			Total Hours Today					
Jeremy Scott/CH2M HILL – QA Manager		10						
David Davis/McLean Contracting – QC Man	nager	10						
Weldon Diggs/McLean Contracting - Site S	uperintendent	10						
Henry Thrul Jr./McLean Contracting - Oper	ator	10						
Gerald Wilson/McClean Contracting – Deck	hand	10						
Patrick Brown/McLean Contracting - Deckh	nand	10						
Tim Scott/McLean Contracting - Deckhand		10						
	SUMMA	RY OF WORK PER	RFORMED	TODAY				
EQUIPMENT ON HAND								
Description of Equipment	Model/Manufacturer	Equ	ipment ID Number	Cali	ibration Performed By			
127 ton crane with 9 cy clamshell dredge								

FIELD OBSERVATIONS: 0601 – J. Scott at dock waiting on dredge crew 0636 - McLean Contracting dredge crew arrive and set up 0646 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0651 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; empty scow SC-142 moored on port side of dredge barge drafting 5.5' 0710 – Runnerboat placed in water 0717 - Runnerboat stretching turbidity curtain and oil boom around scow and dredge barge 0729 - Clamshell bucket (9 cy) rigged onto crane 0800 - Re-dredging (2nd pass) begins in Cell #2 - material is a coarse gray mixture of muck/mud and f ine sand/silt and no odors and no sheens 0930 - Scow SC-142 drafting 5'; no sheens observed 1010 - Dredging stopped to move dredge barge ahead in Cell #2; scow SC-142 drafting 6' 1034 - Unhooking clamshell bucket from crane 1043 – Picking up spuds to move dredge barge ahead in Cell #2 1047 – Spuds up – moving dredge barge 1058 – Dredge barge successfully repositioned and spudded down ahead in Cell #2 1119 – Dredging resumes in Cell #2 1220 - Scow SC-142 drafting 6.5'; no sheens observed 1228 - Dredging stopped - re-dredging complete with Cell #2 (approx. 646 cy of sediment dredged from Cell #2; total for Cell #2 = 2,117 cy [646+1,471] - NOTE: likely not accurate); unhooking clamshell bucket from crane 1230 - D. Davis informs J. Scott that he has just talked to P. Fovargue (Navy) by phone and was informed that the Navy survey vessel is down for repairs and the Navy will not be able to conduct final bathymetric survey of SWMU 3 until the middle of next week, therefore sand placement (capping) in SWMU 3 will have to be postponed until the survey has been completed 1301 – Picking up spuds to move dredge barge to Cell #6 for re-dredging (2nd pass) 1304 – Spuds up – moving dredge barge 1330 - Dredge barge successfully moved and spudded down on north side of Cell #6 1356 - Re-dredging (2nd pass) begins in Cell #6 - material is a mixture of dark gray/black soft muck/mud and light gray fine sand/silt with no odors and no sheens and marina debris (wood, rope, cable, metal pipe, etc.) 1444 - Scow SC-142 drafting 8'; no sheens observed 1557 - Dredging stopped - re-dredging complete with Cell #6 and scow SC-142 full drafting 9' (approx. 464 cy of sediment dredged from Cell #6; total for Cell #6 = 1,439 cy [464+975] - NOTE: likely not accurate); re-dredging complete in SWMU 3; deckhands cleaning scow - shoveling bulk sediment into scow and washing off remainder with washdown pump; there is no need to dewater scow since there is very little free water in scow 1600 - Runnerboat removing oil boom and turbidity curtain and staging alongside dredge barge 1613 - Unhooking clamshell bucket from crane; crew staging dredge barge to remain in place over weekend 1629 - Crane picking up runner boat 1639 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1649 – J. Scott back at dock – end of day DATA REVIEW: N/ACHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that scow SC-142 was properly manifested and delivered to processing facility HEALTH AND SAFETY REPORT ☐ No Was A Job Safety Meeting Held This Date? X Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) No. ☐ Yes SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed **FUTURE WORK** Planned Work for this week: None - end of week Planned Work for Next Week: Re-dredging as necessary in SWMU 7b; begin backfilling in SWMU 3 and SWMU 7b WASTE ACCUMULATION/STOCKPILE AREA

Accumulation / Stockpile Area		JEB Little Creek harbor (SWMU 3)							
No of Containers::	1 scow	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
TRANSPORTATION AND DISPOSAL									
Transportation and Disposal Activites/Summary Quantitites:									
None observed									
ATTACHMENTS									
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.):									
None									
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 4/18/2013									
except as noted in	this report		PREPARER'S SIGNATURE				DATE		



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/18/2013

REPORT NO: 35

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3

Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Peckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	Picture	Photo Description/Location	Date	Daily
Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Peckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 12				Log #
Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 4 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 5 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 6 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 7 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 8 Close-up of dredged sediment (predominantly sand) (SWMU 3; Cell #2) 9 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 11 Deckhands stretching out and securing turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 4/18/13 12 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13				
4 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 5 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 6 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 7 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 8 Close-up of dredged sediment (predominantly sand) (SWMU 3; Cell #2) 9 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 11 Deckhands stretching out and securing turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13				02
Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Peckhands stretching out and securing turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	3			03
6 Re-dredging in Cell #2 with clamshell bucket (SWMU 3; Cell #2) 7 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 8 Close-up of dredged sediment (predominantly sand) (SWMU 3; Cell #2) 9 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 11 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	4			04
Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 8 Close-up of dredged sediment (predominantly sand) (SWMU 3; Cell #2) 9 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 11 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	5			05
8 Close-up of dredged sediment (predominantly sand) (SWMU 3; Cell #2) 9 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 11 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	6			06
9 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 4/18/13 09 10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 4/18/13 10 11 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 4/18/13 11 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 4/18/13 12 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	7		4/18/13	07
10 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 11 Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	8		4/18/13	08
Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2) 4/18/13 12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 4/18/13 12 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	9		4/18/13	09
12 Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2) 4/18/13 12 13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	10	Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2)	4/18/13	10
13 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 13	11	Deckhands stretching out and securing turbidity curtain and oil boom in close proximity to marina (SWMU 3; Cell #2)	4/18/13	11
	12	Re-dredging in Cell #2 in close proximity to marina; turbidity curtain and oil boom deployed (SWMU 3; Cell #2)	4/18/13	12
14 Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2) 4/18/13 12	13	Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2)	4/18/13	13
	14	Re-dredging in Cell #6 with clamshell bucket in close proximity to dry dock pier (SWMU 3; Cell #2)	4/18/13	14



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/22/2013

					,	REVISI	ON DATE: N/A		
						REPOR	T NO: 36		
PROJECT NAME / LOCATION: JEB Little	e Creek SW	MU 3 and	SWMU 7b / Virginia	Beach, VA					
PROJECT NUMBER: 457901.CE.GN	PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3								
PROJECT MANAGER: Brooke Harris	Cell(s) Dr	edged: Nor	ne						
ONSITE SUPPORT: Jeremy Scott				START T	IME/ END TIME:		06:05/ 09:16		
AM WEATHER: cool, clear ~45°F	PM WEA	THER: N/A	1	l	WIND DIRECTION	NE (15-2	20 mph)		
	V	WORK FO	RCE (includes subc	ontractors a	and visitors)				
Name/Company					Total Hours	Гоday			
Jeremy Scott/CH2M HILL – QA Manager			2						
David Davis/McLean Contracting – QC Mar	ager		2						
Weldon Diggs/McLean Contracting – Site St		nt	2						
Henry Thrul Jr./McLean Contracting – Opera		-	2						
Gerald Wilson/McClean Contracting – Deck			2						
Patrick Brown/McLean Contracting – Deckh			2						
Tim Scott/McLean Contracting – Deckhand	una		2						
Thii Scott/Wellean Contracting – Decknand		CIMMA	RY OF WORK PEI	DEODMED	TODAY				
EQUIDMENT ON HAND		SUMMA	KI OF WORKIE	KIOKNIED	TODAT				
Description of Equipment		Molro/N	Iodel/Manufacturer	A C A D A C A D A C A C A D A					
127 ton crane with 9 cy clamshell dredge		IVIAKC/IV	iodei/iviaiiuiactuiei	Equ	ipment ID Number		Calibration Performed By		
127 ton crane with 9 cy clamsnell dredge									
0625 – McLean Contracting dredge crew arrive and set up; McLean welder arrives at dock 0651 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0656 – J. Scott and McLean crew onboard dredge barge – getting started and setting up 0755 – W. Diggs departs dredge barge by workboat WB-39 to pick up D. Davis at dock; McLean welder repairing cracked clamshell bucket 0758 – Runnerboat placed in water 0805 – W. Diggs and D. Davis back onboard 0811 – Runnerboat picking up turbidity curtain and oil boom and staging along dry dock pier 0900 – Crane picking up runner boat; crew staging dredge barge to remain in place overnight – NOTE: due to high winds (sustained 15-20 mph and gusts >25 mph) McLean cannot move dredge barge to SWMU 7b to begin backfilling activities and tug company cannot deliver sand barge 0909 – Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 0916 – J. Scott back at dock – end of day									
DATA REVIEW: N/A									
CHANGED CONDITIONS/DELAY/CON N/A	FLICTS E	NCOUNTI	ERED:						
DISCUSSION NOTES:									
None A COMPANY ATTEMPORATE ON A LIP.									
ACTION ITEMS/FOLLOW UP: None									
HEALTH AND SAFETY REPORT									
Was A Job Safety Meeting Held This Date?									
Was a Confined Space Entry Permit Adminis				ch permit)			Yes No		
Was Crane/Manlift/Trenching/Scaffold/HV I (If Yes, attach statement or checklist showing		hecklist perf	Formed by McLean)		∑ Yes (by □ No McLean)				
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No									
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):									
None									
FUTURE WORK									

Planned Work for	this week:							
Backfilling in	n SWMU 7b and	d SWMU 3						
Planned Work for	Next Week:							
Backfilling in SWI	MU 3							
		WASTI	E ACCUMULAT	ION/STOCKPILE AREA				
Accumulation / JEB Little Creek harbor (SW Stockpile Area			SWMU 3)					
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0	
Notes:								
TRANSPORTATION AND DISPOSAL								
Transportation and Disposal Activites/Summary Quantitites:								
None observed								
ATTACHMENTS								
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.):								
None								
	,	that to the best of my		0 0-				
knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is						22/2012		
in compliance with the contract drawings and specifications						22/2013		
except as noted in this report		PREPARER'S SIGNATURE				DATE		



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE : 04/22/2013 REPORT NO: 36

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Dredging SWMU 3 PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Jeremy Scott Picture Photo Description/Location Date Daily # Log #



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/23/2013

REVISION NO: 0
REVISION DATE: N/A

						REVISIO	ON DATE: N/A	
						REPORT	T NO: 37	
PROJECT NAME / LOCATION: JEB Little	le Creek SWM	IU 3 and S	SWMU 7b / Virginia	Beach, VA				
PROJECT NUMBER: 457901.CE.GN	PROJECT I	DESCRIPT	ΓΙΟΝ: Dredging SV	VMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) Dred	ged: Non	e					
ONSITE SUPPORT: Jeremy Scott				START T	IME/ END TIME:		06:02/ 10:34	
AM WEATHER: cool, overcast ~50°F	PM WEATH	HER: N/A	L		WIND DIRECTION:	N (15-20) mph)	
	W	ORK FOI	RCE (includes subco	ontractors a	and visitors)			
Name/Company					Total Hours	Гоday		
Jeremy Scott/CH2M HILL – QA Manager			4					
David Davis/McLean Contracting – QC Mar	nager		4					
Weldon Diggs/McLean Contracting – Site S	uperintendent		4					
Henry Thrul Jr./McLean Contracting – Open			4					
Gerald Wilson/McClean Contracting – Deck			4					
Patrick Brown/McLean Contracting – Deckl			4					
Tim Scott/McLean Contracting – Deckhand			4					
	9	SUMMAI	RY OF WORK PER	REORMED	TODAY			
EQUIPMENT ON HAND		301/21/212	01 // 01111121		102.11			
Description of Equipment		Make/M	lodel/Manufacturer	Equ	ipment ID Number		Calibration Perform	ned By
127 ton crane with 9 cy clamshell dredge		TVIARC/ IVI	iodel/ Wandractarer	Equ	inplicate 1D Trumber	_	Canoration i ciroin	icu by
127 ton crane with 7 cy clamshen dredge						+		
0602 – J. Scott at dock waiting on dredge crew arr 0635 – McLean Contracting dredge crew arr 0659 – McLean crew and J. Scott depart doc 0704 – J. Scott and McLean crew onboard dromatical	ive and set up k by workboar redge barge – ; vis working or in place overring activities a ge barge by w	getting sta 1 HyPack (night – NC nd tug con orkboat W	rted and setting up developing backfill f DTE: due to high win mpany cannot deliver /B-39 and return to d	ds (sustaine r sand barge	d 15-20 mph and gusts			ve dredge
HEALTH AND SAFETY REPORT								
Was A Job Safety Meeting Held This Date?							∑ Yes	□ No
Were there any lost-time accidents this date? (If Yes, attach copy of			-	-			Yes	⊠ No
					⊠ No			
Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by No McLean) No McLean					☐ No			
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)								
SAFETY ACTIONS TAKEN TODAY (In	clude Observa	tions of a	ny Safety Violations,	, Corrective	Instructions Given, an	d Correcti	ive Actions Taken):	
None								
			FUTURE WO	ORK				
Planned Work for this week:	2							

Planned Work for	Next Week:						
Backfilling in SW	MU 3						
		WASTE	ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / Stockpile Area		JEB Little Creek harbor (S'	WMU 3)				
No of Containers::	0 scows	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORTATIO	ON AND DISPOSAL			
Transportation and	d Disposal Activ	rites/Summary Quantitites:					
None observed							
			ATTAC	HMENTS			
List of Attachmen	ts: (examples,	as applicable: submittals, meetin	g minutes, safety	meeting minutes, COCs, we	ight tickets, manife	ests, profiles, rework	item list, etc.):
None							
knowledge the rep material used and	ort is complete a work performed	that to the best of my and correct and equipment and during this reporting period is awings and specifications		Jes de		4,	/23/2013
except as noted in		awings and specifications		PREPARER'S SIGNATURE		_	DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/23/2013

REPORT NO: 37

		le Creek SWMU 3 and SWMU 7b / Virginia Beach, VA		
PROJECT	NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Dredging SWMU 3		
PROJECT	MANAGER: Brooke Harris	ONSITE SUPPORT: Jeremy Scott		
Picture #		Photo Description/Location	Date	Daily Log #



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/24/2013

REVISION NO: 0
REVISION DATE: N/A
REPORT NO: 38

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 7b

PROJECT MANAGER: Brooke Harris Cell(s) Backfilled: #17 (partial)

ONSITE SUPPORT: Jeremy Scott START TIME / END TIME: 06:00/ 16:57

AM WEATHER: cool, clear ~45°F PM WEATHER: mild, clear ~75°F WIND DIRECTION: SW (10-15 mph)

WORK FORCE (includes subcontractors and visitors)						
Name/Company	Total Hours Today					
Jeremy Scott/CH2M HILL – QA Manager	10					
David Davis/McLean Contracting – QC Manager	10					
Weldon Diggs/McLean Contracting - Site Superintendent	10					
Henry Thrul Jr./McLean Contracting - Operator	10					
Gerald Wilson/McClean Contracting – Deckhand	10					
Patrick Brown/McLean Contracting - Deckhand	10					
Tim Scott/McLean Contracting – Deckhand	10					

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge			

FIELD OBSERVATIONS:

- 0600 J. Scott at dock waiting on dredge crew
- 0628 McLean Contracting dredge crew arrive and set up
- 0653 McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel)
- 0659 J. Scott and McLean crew onboard dredge barge getting started and setting up; dredge barge in Cell #8 of SWMU 3; full sand scow VMC 207 on port side of dredge barge
- 0717 Runnerboat placed in water
- 0727 Picking up spuds to move dredge barge to SWMU 7b (Desert Cove)
- 0733 Spuds up moving dredge barge and full sand scow to SWMU 7b
- 0837 Dredge barge successfully moved and spudded down in Cell #17 of SWMU 7b
- 0840 D. Davis working on setting up backfill files in HyPack; crew switching orientation of clamshell bucket by 90° using monkey line (responsible for preventing bucket from spinning) to create a wider sand distribution width (6') compared to the current configuration (1')
- 0919 Clamshell bucket rigged onto crane
- 0935 Backfilling begins in Cell #17 turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket
- 1220 Backfilling stopped to move dredge barge back in Cell #17; unhooking clamshell bucket from crane
- 1244 Picking up spuds to move dredge barge back in Cell #17
- 1247 Spuds up moving dredge barge
- 1255 Dredge barge successfully repositioned and spudded down back in Cell # 17
- 1305 Re-attaching clamshell bucket to crane
- 1317 Backfilling resumes in Cell #17
- 1535 Backfilling stopped to repair broken monkey line chain
- 1558 Monkey line repaired; crane airline malfunctioned when operator attempted to resume backfilling cannot continue backfilling today (McLean mechanic will arrive tomorrow morning to repair); approx. 441 cy of sand placed in Cell #17
- 1611 Unhooking clamshell bucket from crane
- 1619 Picking up spuds to move dredge barge to adjacent nearby dock to receive bobcat loader being delivered tomorrow morning
- 1622 Spuds up moving dredge barge
- 1626 Dredge barge successfully moved and spudded down next to adjacent dock
- 1629 Crane picking up runner boat; crew staging dredge barge to remain in place overnight
- $1640-D redge\ crew\ and\ J.\ Scott\ depart\ dredge\ barge\ by\ workboat\ WB-39\ and\ return\ to\ dock$
- 1657 J. Scott back at dock end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

N/A

DISCUSSION NO	OTES:							
None								
ACTION ITEMS								
Review that confirm	Review that confirmatory cores are completed in Cell #17 and show adequate capping with sand							
			HEALTH AND	SAFETY REPORT		<u> </u>		
Was A Job Safety	-		6 1 1 1 0 CT			∑ Yes	□ No	
,		is date? (If Yes, attach copy o Administered This Date? (If Y	1	1 /		Yes	⊠ No	
_	•	Administered This Date? (11 Yold/HV Elec/High Work/Hazm		i each permit)		Yes	⊠ No	
		showing inspection performed		on/checklist performed by Mo	(Lean)	Yes (b McLean)	y 🔲 No	
		ased into the Environment? (If				□ Yes	⊠ No	
				1 1			Z 110	
SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of a	any Safety Violat	ions, Corrective Instructions	Given, and Correct	ive Actions Taken):		
None								
			FUTURE	E WORK				
Planned Work for t	this week:							
Continue bac	kfilling in SWMU	7b						
Planned Work for	Next Week:							
Begin backfilling i	n SWMU 3							
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA				
Accumulation / Stockpile Area		N/A						
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0	
Notes:								
		TRA	NSPORTATIO	N AND DISPOSAL				
Transportation and	Disposal Activite	s/Summary Quantitites:						
None observed								
			ATTACH	IMENTS				
List of Attachment	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):	
None								
		at to the best of my		\circ				
		I correct and equipment and uring this reporting period is		Oz So	_			
		ing and specifications		D' D 100		4/	24/2013	
except as noted in		<i>G n</i> sp		PREPARER'S SIGNATURE			DATE	



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE : 04/24/2013 REPORT NO: 38

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 7b

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Jeremy Scott

Picture	Photo Description/Location	Date	Daily
#	Thoto Description/ Education	Bate	Log #
1	Full sand scow VMC 207	4/24/13	01
2	Close-up of backfill sand	4/24/13	02
3	Full sand scow VMC 207 alongside dredge barge	4/24/13	03
4	Close-up of backfill sand	4/24/13	04
5	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	05
6	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	06
7	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	07
8	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	08
9	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	09
10	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	10
11	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	11
12	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	12
13	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	13
14	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	14
15	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	15
16	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	16
17	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	17
18	Clamshell bucket picking up backfill sand out of scow VMC 207 (SWMU 7b; Cell #17)	4/24/13	18
19	Clamshell bucket picking up backfill sand out of scow VMC 207 (SWMU 7b; Cell #17)	4/24/13	19
20	Clamshell bucket picking up backfill sand out of scow VMC 207 (SWMU 7b; Cell #17)	4/24/13	20
21	Clamshell bucket picking up backfill sand out of scow VMC 207 (SWMU 7b; Cell #17)	4/24/13	21
22	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	22
23	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	23
24	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	24
25	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	25
26	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	26
27	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	27
28	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	28
29	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	29
30	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/24/13	30



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/25/2013

REVISION NO: 0

	(ATTACH ADDITIONAL SHEETS IF NECESSARY) REVISION DATE: N/A REPORT NO: 39				
PROJECT NAME / LOCATION: JEB Lit	tle Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRII	PTION: Backfilling S	SWMU 7b		
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: #	†17 (remainder) 18 (partial)			
ONSITE SUPPORT: Jeremy Scott			START TIME/ END TIME	E: (06:03/ 17:06
AM WEATHER: mild, clear ~60°F	PM WEATHER: mi	ild, clear ~65°F	WIND DIRECT	ΓΙΟΝ: N (10-15 n	nph)
	WORK FO	ORCE (includes subc	ontractors and visitors)		
Name/Company Total Hours Today					
Jeremy Scott/CH2M HILL – QA Manager		10			
David Davis/McLean Contracting - QC Ma	nager	10			
Weldon Diggs/McLean Contracting - Site S	Superintendent	10			
Henry Thrul Jr./McLean Contracting - Ope	rator	10			
Gerald Wilson/McClean Contracting – Dec	khand	10			
Patrick Brown/McLean Contracting - Deck	hand	10			
Tim Scott/McLean Contracting - Deckhand	I	10			
	SUMMA	ARY OF WORK PEI	RFORMED TODAY		
EQUIPMENT ON HAND					
Description of Equipment	Make/	Model/Manufacturer	Equipment ID Numl	per	Calibration Performed By
127 ton crane with 7 cy clamshell dredge					

0603 – J. Scott at dock waiting on dredge crew 0644 - McLean Contracting dredge crew arrive and set up 0652 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0704 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; dredge barge adjacent to dock near Cell #17 with half full sand scow VMC 207 still on port side of dredge barge; McLean mechanics at dock waiting on dredge crew to arrive 0708 - McLean mechanics repairing leaking crane airline 0723 - McLean truck and trailer arrive with bobcat and re-handling bucket (4 cy) (NOTE: re-handling bucket and bobcat will be used to clean out sand scows and ensure all material is removed) 0804 - Crane repaired; McLean mechanics depart JEB Little Creek 0813 - Crane lifting bobcat from trailer at dock and placing in emtpy half of sand scow VMC 207 0827 - Crane attaching to environmental bucket and rigging it closed on dredge barge deck to take up less space 0837 – Crane lifting re-handling bucket (4 cy) from trailer at dock and placing on dredge barge 0842 - McLean truck and trailer depart JEB Little Creek 0847 - Workboat WB-39 attaching to sand scow VMC 207 to spin around so crane can access back half (loaded end) of scow 0852 - Workboat WB-39 spinning sand scow VMC 207 0903 - Sand scow VMC 207 successfully spun and resecured to port side of dredge barge 0906 – Picking up spuds to move dredge barge to Cell #17 0909 - Spuds up - moving dredge barge; runnerboat placed in water 0917 - Dredge barge successfully moved and spudded down in Cell #17; clamshell bucket rigged onto crane 0931 - Backfilling begins in Cell #17 - turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket; W. Diggs departs on workboat WB-39 to retrieve supplies from dock 1004 – W. Diggs back onboard 1007 – G. Wilson operating bobcat in sand scow VMC 207 pushing sand up to crane for unloading 1059 - Backfilling stopped - complete with capping Cell #17; approx. 154 cy of sand placed in Cell #17 (total backfill for Cell #17 = 595 cy [154 + 441]); unhooking clamshell bucket from crane 1113 – Picking up spuds to move dredge barge to Cell #18 1117 – Spuds up – moving dredge barge 1138 - Dredge barge successfully moved and spudded down in Cell #18; re-attaching clamshell bucket to crane 1147 - Backfilling begins in Cell #18 - turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket 1527 - W. Diggs departs on workboat WB-39 to drop off trash at nearby dock 1534 - W. Diggs back onboard 1631 - Backfilling stopped for day; approx. 441 cy of sand placed in Cell #18; unhooking clamshell bucket from crane 1641 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1653 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1706 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None ACTION ITEMS/FOLLOW UP: Review that confirmatory cores are completed in Cell #'s 17 and 18 and show adequate capping with sand HEALTH AND SAFETY REPORT ☐ No Was A Job Safety Meeting Held This Date? X Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Yes ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ☐ Yes No. SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None **FUTURE WORK** Planned Work for this week: Continue backfilling in SWMU 7b Planned Work for Next Week: Begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA

FIELD OBSERVATIONS:

Accumulation / Stockpile Area		N/A						
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0	
Notes:								
		TRA	NSPORTATIO	N AND DISPOSAL				
Transportation and	Disposal Activites	s/Summary Quantitites:						
None observed								
	ATTACHMENTS							
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weigh	ght tickets, manife	sts, profiles, rework	item list, etc.):	
None								
material used and v in compliance with	ort is complete and work performed du the contract draw	at to the best of my I correct and equipment and uring this reporting period is ings and specifications		98 do	-	4/.	25/2013	
except as noted in t	his report		·	PREPARER'S SIGNATURE			DATE	



LOG DATE: 04/25/2013

REPORT NO: 39 (ATTACH ADDITIONAL SHEETS IF NECESSARY)

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 7b

ONSITE SUPPORT: Jeremy Scott PROJECT MANAGER: Brooke Harris

Picture	Photo Description/Location	Date	Daily
#	Mal can trust and trailer with behave and so handling hydrot	4/25/12	Log #
1	McLean truck and trailer with bobcat and re-handling bucket Crane offloading bobcat from trailer on dock	4/25/13	01
3	Crane offloading bobcat from trailer on dock Crane offloading bobcat from trailer on dock	4/25/13	02
		4/25/13	03
4	Crane offloading bobcat from trailer on dock	4/25/13	04
5	Crane offloading bobcat from trailer on dock	4/25/13	05
6	Crane placing bobcat in empty end of sand scow VMC 207	4/25/13	06
7	Crane placing bobcat in empty end of sand scow VMC 207	4/25/13	07
8	Crane offloading re-handling bucket from trailer on dock	4/25/13	08
9	Crane offloading re-handling bucket from trailer on dock	4/25/13	09
10	Close-up of bottom of re-handling bucket	4/25/13	10
11	Workboat WB-39 spinning sand scow VMC 207	4/25/13	11
12	Bobcat moving sand in scow VMC 207 to ensure all material gets offloaded	4/25/13	12
13	Bobcat moving sand in scow VMC 207 to ensure all material gets offloaded	4/25/13	13
14	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/25/13	14
15	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/25/13	15
16	Backfilling in Cell #17 with clamshell bucket in close proximity to bulkhead of dock (SWMU 7b; Cell #17)	4/25/13	16
17	Backfilling in Cell #18 with clamshell bucket in close proximity to bulkheads of dock (SWMU 7b; Cell #18)	4/25/13	17
18	Backfilling in Cell #18 with clamshell bucket in close proximity to bulkheads of dock (SWMU 7b; Cell #18)	4/25/13	18
19	Backfilling in Cell #18 with clamshell bucket in close proximity to bulkheads of dock (SWMU 7b; Cell #18)	4/25/13	19
20	Backfilling in Cell #18 with clamshell bucket in close proximity to bulkheads of dock (SWMU 7b; Cell #18)	4/25/13	20
21	Backfilling in Cell #18 with clamshell bucket in close proximity to bulkheads of dock (SWMU 7b; Cell #18)	4/25/13	21



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/26/2013

REVISION NO: 0
REVISION DATE: N/A

	REFORT NO. 40					
PROJECT NAME / LOCATION: JEB Little	e Creek SWMU 3 and	SWMU 7b / Virgini	ia Beach, VA	L		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Backfilling	SWMU 7b			
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: #1	8 (remainder) 9 (partial)				
ONSITE SUPPORT: Jeremy Scott			START T	TIME/ END TIME:	06:03/ 16:34	
AM WEATHER: cool, clear ~45°F	PM WEATHER: mild, clear ~65°F			WIND DIRECTION: NE (5-10 mph)		
	WORK FO	RCE (includes sub	contractors	and visitors)		
Name/Company		Total Hours Today				
Jeremy Scott/CH2M HILL – QA Manager		10				
David Davis/McLean Contracting – QC Manager		10				
Weldon Diggs/McLean Contracting – Site Superintendent		10	•		_	
Henry Thrul Jr /McLean Contracting – Operator		10				

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge			

FIELD OBSERVATIONS:

0603 - J. Scott at dock waiting on dredge crew

Gerald Wilson/McClean Contracting - Deckhand

Patrick Brown/McLean Contracting – Deckhand
Tim Scott/McLean Contracting – Deckhand

- 0632 McLean Contracting dredge crew arrive and set up
- $0647-McLean\ crew\ and\ J.\ Scott\ depart\ dock\ by\ workboat\ WB-39\ (tending\ vessel)$
- 0658 J. Scott and McLean crew onboard dredge barge getting started and setting up; dredge barge in Cell #18 with nearly empty sand scow VMC 207 still on port side of dredge barge
- 0708 G. Wilson operating bobcat in sand scow VMC 207 pushing sand up for crane to unload
- 0714 Runnerboat placed in water
- 0729 J. Scott sends e-mail to C. Landin, B. Harris, and N. Price (CH2M HILL) updating them on status and schedule of backfilling activities

10 10

10

- 0733 Deckhands greasing and inspecting head of crane boom
- 0746 D. Davis arrives at JEB Little Creek by truck at nearby dock
- 0749 D. Davis onboard dredge barge
- 0813 Picking up spuds to move dredge barge back in Cell #18
- 0816 Spuds up moving dredge barge
- 0828 Dredge barge successfully re-positioned and spudded down back in Cell #18; clamshell bucket rigged onto crane
- 0840 Backfilling begins in Cell #18 turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket
- 0949 Tug Challenger arrives with full sand scow and standing-by at nearby pier
- 1102 Workboat WB-39 departs dredge barge to retrieve full sand scow staged at nearby pier
- 1118 Backfilling stopped sand scow VMC 207 empty; unhooking clamshell bucket from crane; tug Challenger arrives and attaching to sand scow VMC 207
- $1133-Crane\ lifting\ bobcat\ from\ sand\ scow\ VMC\ 207\ and\ placing\ on\ stern\ deck\ of\ dredge\ barge$
- 1139 Tug Challenger departs with empty sand scow VMC 207
- 1214 Workboat WB-39 delivers full sand scow VMC 209 and successfully moored on port side of dredge barge
- 1221 Re-attaching clamshell bucket to crane
- 1248 Backfilling resumes in Cell #18
- 1301 Backfilling stopped complete with capping Cell #18; approx. 175 cy of sand placed in Cell #18 (total backfill for Cell #18 = 616 cy [175 + 441]); unhooking clamshell bucket from crane
- 1310 Picking up spuds to move dredge barge to Cell #19
- 1313 Spuds up moving dredge barge;
- 1327 Dredge barge successfully moved and spudded down in Cell #19; re-attaching clamshell bucket to crane
- 1335 Backfilling begins in Cell #19 turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket
- $1601-Back filling\ stopped\ for\ day;\ approx.\ 301\ cy\ of\ sand\ placed\ in\ Cell\ \#19;\ unhooking\ clamshell\ bucket\ from\ crane$
- 1610 Crane picking up runner boat; crew staging dredge barge to remain in place over weekend
- 1619 Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock
- 1634 J. Scott back at dock end of day

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: N/A DISCUSSION NOTES: None ACTION TREMS/FOLLOW UP: Review that confirmatory cores are completed in Cell #'s 18 and 19 and show adequate capping with sand HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? Yes, attach copy of completed OSHA report) Yes No Ware there any lost-time accidents this date? (If Yes, attach copy of campleted OSHA report) Yes No Was a Confirmed Space Entry Permit Administred This Date? (If Yes, attach copy of each permit) Yes No Was a Confirmed Space Entry Permit Administred This Date? (If Yes, attach object of the permit) Yes No Was a Confirmed Space Entry Permit Administred This Date? (If Yes, attach object of each permit) Yes No Was a Crane/Manift/Trenching/Scaffold/HV Elec/High Work/Flazmat Work Done? (If Yes, attach object of each permit) Yes No Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed	DATA REVIEW: N/A							
Note Note		DITIONS/DELA	Y/CONFLICTS ENCOUNT	TERED:				
Note		OTES:						
No continuation No continu		125.						
Name A Job Safety Meeting Held This Date? May A Job Safety Meeting Held This Date? (If Yes, attach copy of each permit) (ACTION ITEMS	FOLLOW UP:						
May a A Job Safety Meeting Held This Date?	Review that confirm	matory cores are co	ompleted in Cell #'s 18 and 1	9 and show adequ	ate capping with sand			
Vers there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Vas a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Vas Crane/MajnikTrenching/Scaffold/HV Eled-High Work Done? Vas Attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) Vas Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Vas Hazardous Material/Waste Roberty (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations Given, and Corrective Instructions Given, and Corrective Actions Taken) Vas Hazardous Material/Waste Roberty (Include Observations Given, and Corrective Instructions Given, and Corrective Instructio				HEALTH ANI	SAFETY REPORT			
Vas a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)	Was A Job Safety	Meeting Held This	Date?				⊠ Yes	
Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed FUTURE WORK Planned Work for this week: None – end of week Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of 0 No of Tank 0 No of Roll-Off Boxes:: 0 No. of Drums 0 Containers:: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	_		, , , , , , , , , , , , , , , , , , , ,	•	1 /		☐ Yes	
(If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed FUTURE WORK Planned Work for this week: None − end of week Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of O No of Tank O No of Roll-Off Boxes: O No. of Drums O Containers:: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None		-	,	, 13	of each permit)		☐ Yes	⊠ No
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)		0	2		on/ohooklist parformed by Me	ol oon)		y 🔲 No
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): SBO completed FUTURE WORK Planned Work for this week: None – end of week Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of On One On One One One One One One One O	,		<i>C</i> 1 1	, · · · · · · · · · · · · · · · · · · ·	1 7	· · · · · · · · · · · · · · · · · · ·		N N
SBO completed FUTURE WORK Planned Work for this week: None - end of week Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3b Accumulation	w as mazardous wi	aterial/ waste Refer	ised into the Environment: ()	ir res, attacii dese	ription of meldent and propos	ed action)	∐ Yes	⊠ No
Planned Work for this week: None - end of week Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 ***CONTINUE ACCUMULATION/STOCKPILE AREA** Accumulation / Stockpile Area ***No of Ootname Stockpile Area** No of Containers:: Notes: ***TRANSPORTATION AND DISPOSAL** Transportation and Disposal Activites/Summary Quantitites: None observed ***ATTACHMENTS** List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of	f any Safety Violat	cions, Corrective Instructions	Given, and Correct	tive Actions Taken):	:
Planned Work for this week: None - end of week Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of Containers:: No of Containers:: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	SBO completed							
Planned Work for Next Week:				FUTURI	E WORK			
Planned Work for Next Week: Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area N/A No of Containers:: No of Containers:: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	Planned Work for t	this week:						
Continue backfilling in SWMU 7b; begin backfilling in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area N/A No of Containers:: No of Containers:: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	None – end o	f week						
Accumulation / Stockpile Area N/A No of Containers:: No of Containers:: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	Planned Work for	Next Week:						
Accumulation / Stockpile Area No of Containers:: No of Containers:: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	Continue backfillir	ng in SWMU 7b; b	egin backfilling in SWMU 3					
Stockpile Area No of Containers:: No of Containers:: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None			WASTE	ACCUMULATI	ON/STOCKPILE AREA			
Containers:: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None			N/A					
Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	No of	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	Containers::							
Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	Notes:							
None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None			TR	ANSPORTATIO	ON AND DISPOSAL			
ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	Transportation and	Disposal Activites	s/Summary Quantitites:					
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None	None observed							
None				ATTACI	HMENTS			
	List of Attachment	s: (examples, as a	applicable: submittals, meetin	ng minutes, safety	meeting minutes, COCs, weight	ght tickets, manife	sts, profiles, rework	item list, etc.):
On behalf of CH2M HILL. Lattest that to the best of my	None							
					\bigcirc 0			
knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is					(Je An	_		
in compliance with the contract drawings and specifications 4/26/2013					D' 1 100		4/	26/2013
	except as noted in				PREPARER'S SIGNATURE			DATE
except as noted in this report PREPARER'S SIGNATURE DATE	incopi as noted in							



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE : 04/26/2013 REPORT NO: 40

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 7b

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Jeremy Scott

Dieture	Photo Description // costion	Data	Deiby
Picture #	Photo Description/Location	Date	Daily Log #
1	Backfilling in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/26/13	01
2	Backfilling in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/26/13	02
3	Backfilling in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/26/13	03
4	Backfilling in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/26/13	04
5	Backfilling in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/26/13	05
6	Backfilling in Cell #18 with clamshell bucket (SWMU 7b; Cell #18)	4/26/13	06
7	Bobcat moving and piling up sand in scow VMC 207 to ensure all material gets offloaded by clamshell bucket	4/26/13	07
8	Bobcat moving and piling up sand in scow VMC 207 to ensure all material gets offloaded by clamshell bucket	4/26/13	08
9	Bobcat moving and piling up sand in scow VMC 207 to ensure all material gets offloaded by clamshell bucket	4/26/13	09
10	Bobcat moving and piling up sand in scow VMC 207 to ensure all material gets offloaded by clamshell bucket	4/26/13	10
11	Bobcat moving and piling up sand in scow VMC 207 to ensure all material gets offloaded by clamshell bucket	4/26/13	11
12	Clamshell bucket picking up backfill sand out of scow VMC 209 (SWMU 7b; Cell #19)	4/26/13	12
13	Backfilling in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/26/13	13
14	Backfilling in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/26/13	14
15	Backfilling in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/26/13	15
16	Backfilling in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/26/13	16
			1
			1



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 04/29/2013

REVISION NO: 1

	H ADDITIONAL SHEETS	IF NECESSA	/	REVISION DATE: 04/30/2013		
				F	REPORT NO: 41	
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia Bo	each, VA	<u> </u>		
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Backfilling SW	MU 7b			
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: #2	19 (partial) 20 (partial)				
ONSITE SUPPORT: Jeremy Scott		5	START TIME	E/ END TIME:	06:05/11:47	
AM WEATHER: mild, light rain ~60°F	PM WEATHER: N/A	A	W	IND DIRECTION: S	E (10-15 mph)	
	WORK FO	RCE (includes subcon	tractors and	visitors)		
Name/Company				Total Hours To	day	
Jeremy Scott/CH2M HILL – QA Manager		5				
David Davis/McLean Contracting – QC Ma	nager	5				
Weldon Diggs/McLean Contracting - Site S	uperintendent	5				
Henry Thrul Jr./McLean Contracting - Ope	ator	5				
Gerald Wilson/McClean Contracting – Decl	khand	5				
Patrick Brown/McLean Contracting - Deck	hand	3				
Tim Scott/McLean Contracting – Deckhand	0					
	SUMMA	RY OF WORK PERF	ORMED TO	DDAY		
EQUIPMENT ON HAND						
Description of Equipment	Make/N	Model/Manufacturer	Equipm	nent ID Number	Calibration Performed By	
T. I. I. I.						

0605 – J. Scott at dock waiting on dredge crew 0634 - McLean Contracting dredge crew arrive and set up 0659 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0710 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; dredge barge in Cell #19 with half full sand scow VMC 209 still on port side of dredge barge 0723 - Deckhand refueling crane 0727 - D. Davis arrives at JEB Little Creek by truck at nearby dock; W. Diggs departs on workboat WB-39 to pick up D. Davis at nearby dock 0736 – W. Diggs and D. Davis onboard 0747 - Refueling activities complete 0751 – Runnerboat placed in water 0758 - Environmental bucket rigged onto crane - NOTE: using environmental bucket to shift sand from empty end of sand scow to full end for bobcat to be placed in 0806 - Crane using environmental bucket to shift sand from empty end of sand scow to full end of sand scow 0816 – Complete with shifting sand in scow; unhooking environmental bucket from crane 0836 - Crane placing bobcat in empty end of sand scow VMC 209 0842 – Clamshell bucket rigged onto crane 0848 - Workboat WB-39 attaching to sand scow VMC 209 to spin around so crane can access back half (loaded end) of scow 0853 - Workboat WB-39 spinning sand scow VMC 209 0859 - Near miss occurs - D. Davis falls overboard from workboat WB-39 and swims back to dredge barge - P. Brown assists with helping him back onboard (caused by wet, rainy conditions and D. Davis standing on rubber bow of workboat WB-39 as it bumps sand scow during moving operations) 0907 - Sand scow VMC 209 successfully spun and resecured to port side of dredge barge; Backfilling begins in Cell #19 - turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket 0915 - W. Diggs and D. Davis depart on workboat WB-39 to take D. Davis to nearby dock to get dry clothes at his truck 0927 - J. Scott sends e-mail to C. Landin, B. Harris, and N. Price (CH2M HILL) to check status of bathymetry survey and backfilling plans in SWMU 3 0929 - W. Diggs and D. Davis back onboard 0932 - G. Wilson operating bobcat in sand scow VMC 209 pushing sand up for crane to unload 0944 - J. Scott receives response e-mail from C. Landin - CH2M HILL has not seen final bathymetry data and McLean will need to contact Pete Fovargue for backfill plans in SWMU 3 1007 - W. Diggs and P. Brown depart dredge barge on workboat WB-39 to take P. Brown to dock to end his day 1030 - W. Diggs back onboard 1032 - Backfilling stopped to move dredge barge back in Cell #'s 19 and 20; unhooking clamshell bucket from crane 1042 - Picking up spuds to move dredge barge back in Cell #'s 19 and 20 1045 – Spuds up – moving dredge barge 1050 - Dredge barge successfully re-positioned and spudded down back in Cell #'s 19 and 20; re-attaching clamshell bucket to crane 1103 – Backfilling resumes in Cell #'s 19 and 20 1109 – Backfilling stopped for day; approx. 70 cy of sand placed in Cell #19 (total backfill for Cell #19 so far = 371 cy [70 + 301]) and approx. 98 cy of sand placed in cell #20; unhooking clamshell bucket from crane; NOTE: backfilling stopped for day due to excessive rain wetting brake drum of crane making backfilling difficult and crew being short-handed 1116 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1129 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1147 – J. Scott back at dock – end of day DATA REVIEW: CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: None **ACTION ITEMS/FOLLOW UP:** Review that confirmatory cores are completed in Cell #'s 19 and 20 and show adequate capping with sand HEALTH AND SAFETY REPORT Was A Job Safety Meeting Held This Date? ⊠ Yes ☐ No ☐ Yes Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) ⊠ No Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) ☐ Yes ⊠ No Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Yes (by ☐ No (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) ☐ Yes ⊠ No SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): Near miss occurs - D. Davis falls overboard; SBO completed **FUTURE WORK**

FIELD OBSERVATIONS:

Planned Work for	r this week:						
Continue ba	ackfilling in SV	VMU 7b; begin backfilling in SWI	MU 3				
Planned Work fo	r Next Week:						
Backfilling in SV	VMU 3						
		WASTE	ACCUMU	LATION/STOCKPILE AREA			
Accumulation / Stockpile Area		N/A					
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TR	ANSPORT	ATION AND DISPOSAL			
Transportation ar	nd Disposal Act	tivites/Summary Quantitites:					
None observed							
			AT	TACHMENTS			
List of Attachme	nts: (examples	s, as applicable: submittals, meetin	g minutes, s	safety meeting minutes, COCs, wei	ght tickets, n	nanifests, profiles, rework	item list, etc.):
None							
knowledge the re material used and	port is complet l work perform	est that to the best of my e and correct and equipment and ed during this reporting period is		Jes do	_	4,	/29/2013
except as noted in		drawings and specifications				DATE	



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/29/2013

REPORT NO: 41

PROJECT	NAME / LOCATION: JEB Lit	tle Creek SWMU 3 and SWMU 7b / Virginia Beach, VA		
	NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Backfilling SWMU 7b		
PROJECT	MANAGER: Brooke Harris	ONSITE SUPPORT: Jeremy Scott		
Picture #		Photo Description/Location	Date	Daily Log #
				ļ



REPORT DATE: 04/30/2013

REVISION NO: 0

	H ADDITIONAL SHEETS IF NECESSARY)			REVISION NO: 0					
			REVISION DATE: N/A						
					REPORT N	IO: 42			
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA	L .					
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	TION: Backfilling S	WMU 7b						
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: #								
		20 (remainder) 18 (remainder)							
ONSITE SUPPORT: Jeremy Scott	"	ro (remainder)	START 1	TIME/ END TIME:	00	6:14/ 17:07			
AM WEATHER: mild, overcast ~60°F	PM WEATHER: mi	ld_overcast ~65°F	5111111	WIND DIRECTION					
THE WEITHER. Hind, O'Cloud. OO'I	l .	RCE (includes subco	ntrootors		. ,, (c 10 mp	···)			
N. (C	WORK FO		mu actors		T. 1				
Name/Company				Total Hours	1 oday				
Jeremy Scott/CH2M HILL – QA Manager		10							
David Davis/McLean Contracting – QC Man	nager	10							
Weldon Diggs/McLean Contracting - Site S	uperintendent	10							
Henry Thrul Jr./McLean Contracting - Oper	ator	10							
Gerald Wilson/McClean Contracting – Deck	thand	10							
Patrick Brown/McLean Contracting - Deckl	nand	10							
Tim Scott/McLean Contracting – Deckhand	10								
SUMMARY OF WORK PERFORMED TODAY									
EQUIPMENT ON HAND									
Description of Equipment	Model/Manufacturer	Eq	uipment ID Number	(Calibration Performed By				
127 ton crane with 7 cy clamshell dredge and handling bucket	d 4 cy re-								

FIELD OBSERVATIONS: 0614 – J. Scott at dock waiting on dredge crew 0638 - McLean Contracting dredge crew arrive and set up 0658 – McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel) 0711 - J. Scott and McLean crew onboard dredge barge - getting started and setting up; dredge barge in Cell #19 with half full sand scow VMC 209 still on port side of dredge barge 0723 - Runnerboat placed in water; crane placing port-a-jon on workboat WB-39 0727 - Clamshell bucket rigged onto crane; G. Wilson operating bobcat in sand scow VMC 209 pushing sand up for crane to unload 0734 - J. Scott sends e-mail to C. Landin, B. Harris, and N. Price (CH2M HILL) to update them on schedule of backfilling activities - D. Davis stated that he was told the Navy surveyed SWMU 3 yesterday (4/29/13) which will delay the schedule in backfilling SWMU 3 0741 - Backfilling begins in Cell #19 - turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket 0829 - Backfilling stopped - complete with capping Cell #19; approx. 105 cy of sand placed in Cell #19 (total backfill for Cell #19 = 476 cy [105 + 371]); unhooking clamshell bucket from crane 0846 – Picking up spuds to move dredge barge back to Cell #20 0848 – Spuds up – moving dredge barge 0853 - Dredge barge successfully moved and spudded down back in Cell #20; re-attaching clamshell bucket to crane 0900 - Backfilling begins in Cell #20 - turbidity remains relatively low due to heavier coarse sand and distribution technique of clamshell bucket 1002 – D. Davis testing PVC coring device from runnerboat in Cell #17 1019 - D. Davis back at dredge barge - marginal success with PVC corer - will need more supplies to finish building properly; PVC coring device consists of 2" PVC pipe (20 ft long) with clear Lexan tube (3 ft piece) attached to bottom with boot coupling and ball valve at top of pipe to create check-valve to prevent washing 1033 – Backfilling stopped – crew repairing broken monkey line (responsible for preventing the bucket from spinning) on bucket 1037 - T. Scott and D. Davis depart dredge barge on runnerboat to take D. Davis to dock to go to Home Depot to get supplies for PVC coring device 1050 – Backfilling resumes in Cell #20 1057 - T. Scott back onboard 1104 - Backfilling stopped to move dredge barge back in Cell #20; unhooking clamshell bucket from crane 1123 – Picking up spuds to move dredge barge back in Cell #20 1126 – Spuds up – moving dredge barge 1131 - Dredge barge successfully re-positioned and spudded down back in Cell #20; re-attaching clamshell bucket to crane 1142 – Backfilling resumes in Cell #20 1147 - D. Davis back at JEB Little Creek at nearby dock working on and testing PVC coring device 1220 – J. Scott observes Navy survey vessel (S/V Starke) surveying in Cell #'s 17 and 18 1224 – D. Davis back onboard 1324 - Backfilling stopped - complete with capping Cell #20; approx. 378 cy of sand placed in Cell #20 (total backfill for Cell #20 = 476 cy [378 + 98]); unhooking clamshell bucket from crane 1337 – Picking up spuds to move dredge barge to Cell #18 1343 – Spuds up – moving dredge barge 1356 - Dredge barge successfully moved and spudded down in Cell #18 - NOTE: very little sand left in sand scow VMC 209 and McLean will place in bulkhead area of Cell #18 to ensure adequate coverage; re-handling bucket (4 cy) rigged onto crane 1408 - Backfilling begins in Cell #18 near-dock areas; D. Davis back at nearby dock working on PVC coring device 1531 - D. Davis back onboard to show J. Scott example of confirmatory core sample for Cell #17 and discuss methods for retaining core inside tube upon retrieval - J. Scott suggests using a core catcher 1543 - D. Davis departs dredge barge again on runnerboat to resume working on refining PVC coring device and methodology 1614 - Backfilling stopped - sand scow VMC 209 empty; unhooking re-handling bucket from crane; approx.156 cy of additional sand placed in Cell #18 (total backfill for Cell #18 = 772 cy [156+616]) 1631 – D. Davis back onboard – 3 confirmatory cores collected and photographed form Cell #'s 17 and 18 (cores 1, 2, and 5) 1635 - Crane lifting bobcat from sand scow VMC 209 and placing on stern deck of dredge barge 1642 - Crane picking up runner boat; crew staging dredge barge to remain in place overnight 1652 - Dredge crew and J. Scott depart dredge barge by workboat WB-39 and return to dock 1707 – J. Scott back at dock – end of day DATA REVIEW: N/A CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: DISCUSSION NOTES: ACTION ITEMS/FOLLOW UP: Review that confirmatory cores are completed in Cell #'s 18, 19, and 20 and show adequate capping with sand HEALTH AND SAFETY REPORT

⊠ Yes

Yes

☐ Yes

☐ No

⊠ No

⊠ No

Was A Job Safety Meeting Held This Date?

Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)

Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)

Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean)							y 🗌 No		
		ased into the Environment? (If	•			McLean) Yes	⊠ No		
SAFETY ACTION	NS TAKEN TOD	AY (Include Observations of a	ny Safety Violat	ions, Corrective Instructions	Given, and Correct	tive Actions Taken)	:		
None									
			FUTURE	E WORK					
Planned Work for t	his week:								
Collect confir	matory cores in S	WMU 7b; begin backfilling in	SWMU 3 if surv	rey is completed					
Planned Work for 1	Next Week:								
Backfilling in SWN	MU 3								
WASTE ACCUMULATION/STOCKPILE AREA									
Accumulation / Stockpile Area		N/A							
No of Containers::	0	No of Tank 0 No of Roll-Off Boxes:: 0 No. of Drums 0							
Notes:									
		TRA	NSPORTATIO	N AND DISPOSAL					
Transportation and	Transportation and Disposal Activites/Summary Quantitites:								
None observed									
ATTACHMENTS									
List of Attachments	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):		
None									
material used and v	ort is complete and vork performed du	correct and equipment and iring this reporting period is		95 do	_	4/	30/2013		
in compnance with the contract drawings and specifications					DATE				



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 04/30/2013

REPORT NO: 42

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 7b

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Jeremy Scott

Picture #	Photo Description/Location	Date	Daily Log #
1	Backfilling in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/30/13	01
2	Backfilling in Cell #19 with clamshell bucket (SWMU 7b; Cell #19)	4/30/13	02
3	Bobcat moving and piling up sand in scow VMC 209 to ensure all material gets offloaded by clamshell bucket	4/30/13	03
4	Clamshell bucket picking up backfill sand out of scow VMC 209 (SWMU 7b; Cell #19)	4/30/13	04
5	Clamshell bucket picking up backfill sand out of scow VMC 209 (SWMU 7b; Cell #19)	4/30/13	05
6	PVC coring device in runnerboat	4/30/13	06
7	PVC coring device in runnerboat – showing Lexan tube core collection end	4/30/13	07
8	D. Davis in runnerboat experimenting with PVC coring device in Cell #17	4/30/13	08
9	Backfilling in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	4/30/13	09
10	Backfilling in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	4/30/13	10
11	Backfilling in Cell #20 with clamshell bucket (SWMU 7b; Cell #20)	4/30/13	11
12	D. Davis in runnerboat experimenting with PVC coring device in Cell #17	4/30/13	12
13	D. Davis in runnerboat experimenting with PVC coring device in Cell #17	4/30/13	13
14	D. Davis marking depth measurements on PVC coring device	4/30/13	14
15	D. Davis marking depth measurements on PVC coring device	4/30/13	15
16	W. Diggs standing in front of clamshell bucket with broken monkey line chain	4/30/13	16
17	Backfilling in Cell #18 near-dock area with re-handling bucket (SWMU 7b; Cell #18)	4/30/13	17
18	Backfilling in Cell #18 near-dock area with re-handling bucket (SWMU 7b; Cell #18)	4/30/13	18
19	Backfilling in Cell #18 near-dock area with re-handling bucket (SWMU 7b; Cell #18)	4/30/13	19
20	Confirmatory core from Cell #17 – core #1 (SWMU 7b; Cell #17)	4/30/13	20
21	Confirmatory core from Cell #17 – core #1 (SWMU 7b; Cell #17)	4/30/13	21
22	Confirmatory core from Cell #17 – core #2 (SWMU 7b; Cell #17)	4/30/13	22
23	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	4/30/13	23
24	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	4/30/13	24
25	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	4/30/13	25
26	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	4/30/13	26
27	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	4/30/13	27
28	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	4/30/13	28
29	Confirmatory core from Cell #18 – core #5 (SWMU 7b; Cell #18)	4/30/13	29



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/01/2013

REVISION NO: 1

REVISION DATE: 05/02/2013

REPORT NO: 43

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA							
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Backfilling S	OJECT DESCRIPTION: Backfilling SWMU 7b					
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: None						
ONSITE SUPPORT: Jeremy Scott	START		TIME/ END TIME:	06:05/ 15:20			
AM WEATHER: mild, light rain ~60°F	PM WEATHER: mild, overcast ~60°F		WIND DIRECTION: NW (15-20 mph)				
WORK FORCE (includes subcontractors and visitors)							

(Metades subcontractors and visitors)					
Name/Company	Total Hours Today				
Jeremy Scott/CH2M HILL – QA Manager	9				
Nate Price/CH2M HILL – QA Manager	2				
David Davis/McLean Contracting – QC Manager	9				
Weldon Diggs/McLean Contracting – Site Superintendent	9				
Henry Thrul Jr./McLean Contracting – Operator	9				
Gerald Wilson/McClean Contracting – Deckhand	9				
Patrick Brown/McLean Contracting - Deckhand	9				
Tim Scott/McLean Contracting – Deckhand	9				

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

2011112111			
Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge			

FIELD OBSERVATIONS:

- 0605 J. Scott at dock waiting on dredge crew
- 0636 McLean Contracting dredge crew arrive and set up, McLean welder arrives
- 0650 McLean crew and J. Scott depart dock by workboat WB-39 (tending vessel)
- 0703 J. Scott and McLean crew onboard dredge barge getting started and setting up; dredge barge in Cell #18 with no sand scow
- 0719 Runnerboat placed in water; W. Diggs departs on workboat WB-39 to retrieve supplies from dock; McLean welder repairing cracks in clamshell bucket
- 0751 W. Diggs back onboard; crew greasing crane and performing maintenance on dredge barge
- 0904 W. Diggs and D. Davis depart on workboat WB-39 to retrieve additional supplies from dock and meet sanitation company to clean out port-a-jon
- 0906 Light rain stops
- 0956 W. Diggs and D. Davis back onboard
- 1001 Crane picking up port-a-jon from workboat WB-39 and placing on stern deck of dredge barge
- 1019 D. Davis begins collecting remaining confirmatory core samples from runnerboat
- 1055 Crew using workboat WB-39 and dredge barge deck in conjuction with runnerboat and crane line to provide stable platform to collect core sample
- 1228 Completed collecting cores 6, 7, 8, 10, and 12 from Cell #'s 18 and 19
- 1230 Picking up spuds to move dredge barge to Cell #19
- 1232 Spuds up moving dredge barge
- 1236 Dredge barge successfully moved and spudded down in Cell #19
- 1240 Core collection resumes
- 1306 Nate Price (CH2M HILL) arrives at JEB Little Creek at nearby dock
- 1313 N. Price onboard workboat WB-39 and assisting with oversight of confirmatory core collection
- 1341 Picking up spuds to move dredge barge to Cell #20
- 1343 Spuds up moving dredge barge
- 1347 Dredge barge successfully moved and spudded down in Cell #20
- 1408 Picking up spuds to move dredge barge to Cell #17
- 1410 Spuds up moving dredge barge
- 1439 Dredge barge successfully moved and spudded down in Cell #17
- 1439 All remaining cores collected (cores 3, 4, 9, 11, 13, 14, 15, and 16); Crane picking up runnerboat; crew staging dredge barge to remain in place overnight; NOTE: McLean will not resume backfilling until at least 5/6/13 due to delays in Navy surveying; N. Price will resume ovesight through remainder of SWMU 3 backfilling activities
- 1451 Dredge crew and J. Scott and N. Price depart dredge barge by workboat WB-39 and return to dock
- 1520 J. Scott back at dock end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED: N/A									
DISCUSSION NO	DISCUSSION NOTES:								
None									
ACTION ITEMS	FOLLOW UP:								
None			*****	GA FERRY DEPORT					
W. A.I.I.C.C.	A C TILITE	D + 0	HEALTH ANI	SAFETY REPORT		N/ 1/			
Was A Job Safety			£ 1 - 4 - 4 OSI	TA		∑ Yes	□ No		
_		is date? (If Yes, attach copy of Administered This Date? (If Y		1 /		Yes Yes	⊠ No ⊠ No		
	•	ld/HV Elec/High Work/Hazm		or each permit)		Yes (b			
(If Yes, attach state	ement or checklist	showing inspection performed	(Crane inspecti	on/checklist performed by Mo	Lean)	McLean)	у 🔲 140		
Was Hazardous Ma	aterial/Waste Relea	ased into the Environment? (If	Yes, attach desc	ription of incident and propos	ed action)	Yes	⊠ No		
SAFETY ACTION None	SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None								
			FUTURI	E WORK					
Planned Work for t	this week:								
None – end o	f week								
Planned Work for 1	Next Week:								
Backfilling in SWI	MU 3								
		WASTE	ACCUMULATI	ON/STOCKPILE AREA					
Accumulation / Stockpile Area		N/A							
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
		TRA	ANSPORTATIO	ON AND DISPOSAL					
Transportation and	Disposal Activites	s/Summary Quantitites:							
None observed									
ATTACHMENTS									
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.):									
None									
knowledge the repo material used and v	On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is								
		ings and specifications		DDEDADED'S SIGNATUDE	111		01/2013		
cacept as noted in t	except as noted in this report PREPARER'S SIGNATURE DATE								



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/01/2013 REPORT NO: 43

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 7b

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Jeremy Scott

		1	
Picture #	Photo Description/Location	Date	Daily Log #
1	PVC coring device in runnerboat – showing graduated Lexan tube core collection end	5/01/13	01
2	PVC coring device in runnerboat – showing ball valve and T-bar pulling end	5/01/13	02
3	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	5/01/13	03
4	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	5/01/13	04
5	D. Davis collecting confirmatory core with PVC coring device from Cell #18 in runnerboat (SWMU 7b; Cell #18)	5/01/13	05
6	D. Davis marking graduated lines on Lexan core tube	5/01/13	06
7	D. Davis collecting confirmatory core with PVC coring device from Cell #18 from workboat WB-39 (SWMU 7b; Cell #18)	5/01/13	07
8	D. Davis collecting confirmatory core with PVC coring device from Cell #18 from workboat WB-39 (SWMU 7b; Cell #18)	5/01/13	08
9	D. Davis collecting confirmatory core with PVC coring device from Cell #18 from workboat WB-39 (SWMU 7b; Cell #18)	5/01/13	09
10	Confirmatory core from Cell #18 – core #6 (SWMU 7b; Cell #18)	5/01/13	10
11	D. Davis collecting confirmatory core with PVC coring device from Cell #18 from dredge barge deck (SWMU 7b; Cell #18)	5/01/13	11
12	Confirmatory core from Cell #18 – core #8 (SWMU 7b; Cell #18)	5/01/13	12
13	Confirmatory core from Cell #18 – core #8 (SWMU 7b; Cell #18)	5/01/13	13
14	Confirmatory core from Cell #18 – core #7 (SWMU 7b; Cell #18)	5/01/13	14
15	Confirmatory core from Cell #19 – core #10 (SWMU 7b; Cell #19)	5/01/13	15
16	Confirmatory core from Cell #19 – core #12 (SWMU 7b; Cell #19)	5/01/13	16
17	Confirmatory core from Cell #19 – core #9 (SWMU 7b; Cell #19)	5/01/13	17
18	Confirmatory core from Cell #19 – core #11 (SWMU 7b; Cell #19)	5/01/13	18
19	Confirmatory core from Cell #19 – core #11 (SWMU 7b; Cell #19)	5/01/13	19
20	Confirmatory core from Cell #20 – core #14 (SWMU 7b; Cell #20)	5/01/13	20
21	Confirmatory core from Cell #20 – core #13 (SWMU 7b; Cell #20)	5/01/13	21
22	Confirmatory core from Cell #20 – core #16 (SWMU 7b; Cell #20)	5/01/13	22
23	Confirmatory core from Cell #20 – core #15 (SWMU 7b; Cell #20)	5/01/13	23
24	Confirmatory core from Cell #17 – core #3 (SWMU 7b; Cell #17)	5/01/13	24
25	Confirmatory core from Cell #17 – core #5 (SWMU 7b; Cell #17)	5/01/13	25



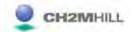
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/08/2013

REVISION NO: 0

						REVISION	ON DATE: N/A	
						REPOR	T NO: 44	
PROJECT NAME / LOCATION: JEB Litt	le Creek SV	WMU 3 and	SWMU 7b / Virginia	Beach, VA				
PROJECT NUMBER: 457901.CE.GN	PROJEC	T DESCRIE	PTION: Backfilling	SWMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) B		16 (complete) 15 (partial)					
ONSITE SUPPORT: Nathaniel Price				START T	IME/ END TIME:		06:14/ 17:07	
AM WEATHER: clear, sunny ~60°F	PM WEA	ATHER: pa	rtly cloudy ~70°F		WIND DIRECTION	: SSE @ 5	5-10 mph	
		WORK FO	RCE (includes subc	ontractors a	and visitors)			
Name/Company					Total Hours	Today		
Nathaniel Price/CH2M HILL – QA Manage	r		10					
David Davis/McLean Contracting – QC Mar			10					
Weldon Diggs/McLean Contracting – Site S		ent.	10					
Henry Thrul Jr./McLean Contracting – Oper			10					
Gerald Wilson/McClean Contracting – Deck			10					
Patrick Brown/McLean Contracting – Deckl			10					
Tim Scott/McLean Contracting – Deckhand	iana		10					
This sect McLean Contracting Deckmand		CIMMA	ARY OF WORK PE	DEODMED	TODAV			
EQUIDMENT ON HAND		SUMINIA	INT OF WORK FE.	KFOKWIED	TODAT			
EQUIPMENT ON HAND		26.1.7	A	Г	' IDN 1		C 11 C D C	1 D
Description of Equipment	1.4	Make/I	Model/Manufacturer	Equ	ipment ID Number		Calibration Perfor	med By
127 ton crane with 7 cy clamshell dredge and handling bucket	d 4 cy re-							
FIELD OBSERVATIONS:		<u> </u>						
0630 – N. Price and McLean Contracting dre	edge crew a	arrive at doc	k					
0638 - McLean crew begins setup								
0650 - McLean crew and N. Price depart do								
0655 - N. Price and McLean crew onboard of the location of the sand scow, Vulcan	informs D	. Davis that	sand scow is headed	towards Littl	egins looking for the s le Creek Harbor and sl	and scow a hould be a	and contacts Vulcan t SWMU 3 by 1000	to determine
0720 – Picking up spuds to move dredge bar 0730 – Dredge barge successfully moved an	-				nd barge			
0950 – Clamshell bucket rigged onto crane			64 1 1 1					
1105 – Sand scow VMC 216 arrives and is of 1120 – Backfilling begins in Cell #16	locked on t	ne port side	of the dredge barge					
1310 – Clamshell bucket removed and spuds	s picked up	to move dre	edge barge further we	st into Cell #	‡ 16			
1335 – D. Davis, T. Scott, and N. Price depart						16 (all 4 sa	amples photographed	1)
1410 – Collection of confirmatory samples f Price arrive back on dredge barge	rom Cell #	16 complete	ed (all samples meet/e	xceed the mi	inimum 6 inches of sa	nd placem	nent); D. Davis, T. So	cott, and N.
1415 – Picking up spuds to move barge furth								
1445 – Spuds lowered, clamshell bucket atta			•		oolefiling in Coll #15			
1545 – Complete backfilling in Cell #16 (pla 1630 – Stopped backfilling in Cell #15, begi			natery 185 cy of sand	and begin t	backfilling in Cell #15	•		
1640 – Crane picking up runner boat; crew s		-	remain in place over	night				
1655 - Dredge crew and N. Price depart dred		-		_				
1700 - N. Price back at dock, end of day								
DATA REVIEW:								
N/A CHANGED CONDITIONS/DELAY/CON	NFLICTS I	ENCOUNT	ERED:					
N/A DISCUSSION NOTES:								
None								
ACTION ITEMS/FOLLOW UP:								
Review that confirmatory cores are complete	ed in Cell#	15 and show						
			HEALTH AND SA	FETY REP	PORT			
Was A Job Safety Meeting Held This Date?) (If V	ttaak	of completed OCITA	om out\			∑ Yes	□ No
Were there any lost-time accidents this date? Was a Confined Space Entry Permit Admini			=	-			Yes	⊠ No
was a Commed Space Emry Permit Admini	SICICU I IIIS	Date: (II)	i es, anacii copy oi ea	on permit)			☐ Yes	No

Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean)						Yes (b	y No	
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action)						Yes	⊠ No	
SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of a	ny Safety Violat	ions, Corrective Instructions	Given, and Correct	ive Actions Taken)		
None								
			FUTURE	E WORK				
Planned Work for t	his week:							
Continue backfillin	ig and collecting c	onfirmatory cores in SWMU 3						
Planned Work for I	Next Week:							
Continue backfillin	ig and collecting c	onfirmatory cores in SWMU 3						
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA				
Accumulation / Stockpile Area		N/A						
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0	
Notes:								
		TRA	NSPORTATIO	N AND DISPOSAL				
Transportation and	Disposal Activites	s/Summary Quantitites:						
None observed								
	ATTACHMENTS							
List of Attachment	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):	
None								
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 05/08/201					/08/2013			
					DATE			



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/08/2013

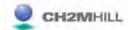
REPORT NO: 16

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Nathaniel Price

Picture #	Photo Description/Location	Date	Daily Log #
1	Delivery of sand barge VMC 216	05/08/13	01
2	Delivery of sand scow VMC 216	05/08/13	02
3	Delivery of sand scow VMC 216	05/08/13	03
4	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #16)	05/08/13	04
5	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #16)	05/08/13	05
6	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	06
7	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	07
8	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	08
9	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	09
10	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	10
11	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	11
12	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	12
13	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	13
14	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	14
15	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	15
16	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	16
17	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	17
18	Backfilling in Cell #16 with clamshell bucket (SWMU 3; Cell #16)	05/08/13	18
19	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #16)	05/08/13	19
20	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #16)	05/08/13	20
21	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #16)	05/08/13	21
22	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #16)	05/08/13	22
23	Confirmatory core from Cell #16 – core #2 (SWMU 3; Cell #16)	05/08/13	23
24	Confirmatory core from Cell #16 – core #2 (SWMU 3; Cell #16)	05/08/13	24
25	Confirmatory core from Cell #16 – core #1 (SWMU 3; Cell #16)	05/08/13	25
26	Confirmatory core from Cell #16 – core #1(SWMU 3; Cell #16)	05/08/13	26
27	Confirmatory core from Cell #16 – core #3 (SWMU 3; Cell #16)	05/08/13	27
28	Confirmatory core from Cell #16 – core #3 (SWMU 3; Cell #16)	05/08/13	28
29	Confirmatory core from Cell #16 – core #4 (SWMU 3; Cell #16)	05/08/13	29
30	Confirmatory core from Cell #16 – core #4 (SWMU 3; Cell #16)	05/08/13	30
31	Backfilling in Cell #15 with clamshell bucket (SWMU 3; Cell #15)	05/08/13	31
32	Backfilling in Cell #15 with clamshell bucket (SWMU 3; Cell #15)	05/08/13	32
33	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #15)	05/08/13	33
34	Backfilling in Cell #15 with clamshell bucket (SWMU 3; Cell #15)	05/08/13	34
35	Backfilling in Cell #15 with clamshell bucket (SWMU 3; Cell #15)	05/08/13	35
36	Backfilling in Cell #15 with clamshell bucket (SWMU 3; Cell #15)	05/08/13	36



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/09/2013

REVISION NO: 0
REVISION DATE: N/A
REPORT NO: 45

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA						
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIPTION: Backfilling SWMU 3					
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: #15 (complete) #10 (partial)					
ONSITE SUPPORT: Nathaniel Price		START TIME/ END TIME:		0625/1645		
AM WEATHER: clear, sunny ~55°F	PM WEATHER: clear, sunny ~75°F		WIND DIRECTION: WSW @	5-10 mph		

WORK FORCE (includes subcontractors and visitors)					
Name/Company	Total Hours Today				
Nathaniel Price/CH2M HILL – QA Manager	10				
David Davis/McLean Contracting – QC Manager	10				
Weldon Diggs/McLean Contracting – Site Superintendent	10				
Henry Thrul Jr./McLean Contracting – Operator	10				
Gerald Wilson/McClean Contracting – Deckhand	10				
Patrick Brown/McLean Contracting – Deckhand	10				
Tim Scott/McLean Contracting – Deckhand	10				

SUMMARY OF WORK PERFORMED TODAY

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge bucket, 9 cy environmental dredge bucket, and 4 cy re-handling bucket			

FIELD OBSERVATIONS:

- 0625 N. Price and McLean Contracting dredge crew arrive at dock
- 0635 McLean crew begins setup
- $0650-McLean\ crew\ and\ N.\ Price\ depart\ dock\ by\ workboat\ WB-39\ (tending\ vessel)$
- $0655-N.\ Price$ and McLean crew onboard dredge barge getting started and setting up
- 0710 Environmental dredge rigged onto crane
- 0715 Environmental dredge used to stockpile sand within scow VMC 216
- 0725 Environmental dredge removed; bobcat rigged to crane and lowered into sand scow VMC 216 to assist in stockpiling soil
- 0745 G. Wilson begins pushing sand in scow VMC 216 into stockpile via bobcat
- $0750-D.\ Davis,\ T.\ Scott,\ and\ N.\ Price\ depart\ dredge\ barge\ onto\ runnerboat\ to\ collect\ 2\ confirmatory\ samples\ from\ Cell\ \#15\ (both\ samples\ photographed)$
- 0800 Confirmatory sampling completed, runnerboat returns to barge
- 0810 Sand scow VMC 216 turned around so that stockpiled sand is closer to the crane
- 0855 Continue backfilling Cell #15
- 0945 Complete backfilling of Cell #15 (placed a total of approximately 185 cy of sand); clamshell dredge bucket removed from crane
- 1010 D. Davis, T. Scott, and N. Price depart dredge barge onto runnerboat to collect 2 confirmatory samples from Cell #15 (both samples photographed); one of the samples not collected due to difficulty with water depth being too deep for sampler (D. Davis adds an extension to the core sampler)
- 1030 Runnerboat returns to barge
- 1045 Picking up spuds and moving to Cell #10
- 1105 Arrive at Cell #10, lower spuds and attache clamshell dredge bucket
- 1115 Begin backfilling Cell #10
- 1300 Picking up spuds and moving barge to complete second half of Cell #10
- 1340 D. Davis, T. Scott, and N. Price depart dredge barge onto runnerboat to collect 1 confirmatory sample from Cell #15 (sample photographed); completes confirmatory sampling for Cell #15 (all samples meet/exceed minimum sand thickness)
- 1420 Clamshell dredge bucket removed from crane and re-handling bucket rigged to crane to remove the remainer of the sand out of scow VMC 216
- 1430 Continue backfilling Cell #10
- 1600 Stopped backfilling in Cell #10, remov re-handling bucket and begin cleaning up
- 1630 Crane picking up runner boat and bobcat; crew staging dredge barge to remain in place overnight
- 1635 Dredge crew and N. Price depart dredge barge by workboat WB-39 and return to dock
- 1645 N. Price back at dock, end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

D. Davis is informed by P. Fovargue (Navy FEAD) that there is a ceremony going on tomorrow (5/10/13) near our work area and all work involving the crane has to stop from 1000 untilt the ceremony is complete (anticipate the ceremony being \sim 2 hours)

DISCUSSION NO	OTES:						
None	mor r over rm						
ACTION ITEMS		ompleted in Cell #10 and show	, adaguata aa nni n	ea with cond			
Review that confin	matory cores are co	ompleted in Cen #10 and snow		SAFETY REPORT			
Was A Job Safety	Meeting Held This	Date?	TIEZZETII ZENE	SHEIT KEI OKT		⊠ Yes	☐ No
	_	is date? (If Yes, attach copy of	f completed OSH	IA report)		☐ Yes	⊠ No
•		Administered This Date? (If Y				☐ Yes	⊠ No
Was Crane/Manlift	Trenching/Scaffo	ld/HV Elec/High Work/Hazma	at Work Done?	-		☐ Yes (b	
		showing inspection performed				McLean)	_
Was Hazardous Ma	aterial/Waste Relea	ased into the Environment? (If	Yes, attach descr	ription of incident and propos	ed action)	☐ Yes	⊠ No
SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of a	nny Safety Violat	ions, Corrective Instructions	Given, and Correct	ive Actions Taken):	:
None							
			FUTURE	WORK			
Planned Work for t	this week:						
Continue backfillir	ng and collecting co	onfirmatory cores in SWMU 3					
Planned Work for I	Next Week:						
Continue backfillir	ng and collecting co	onfirmatory cores in SWMU 3					
		WASTE A	ACCUMULATI	ON/STOCKPILE AREA			
Accumulation / Stockpile Area		N/A					
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0
Notes:							
		TRA	NSPORTATIO	N AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTACH	IMENTS			
List of Attachment	s: (examples, as a	pplicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):
None							
knowledge the repo material used and v in compliance with	On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 05/09/2013					/09/2013 DATE	
except as noted in	except as noted in this report PREPARER'S SIGNATURE DATE						



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/09/2013

REPORT NO: 45

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Nathaniel Price

Picture #	Photo Description/Location	Date	Daily Log #
1	Confirmatory core from Cell #15 – core #5 (SWMU 3; Cell #15)	05/09/13	01
2	Confirmatory core from Cell #15 – core #5 (SWMU 3; Cell #15)	05/09/13	02
3	Confirmatory core from Cell #15 – core #5 (SWMU 3; Cell #15)	05/09/13	03
4	Confirmatory core from Cell #15 – core #6 (SWMU 3; Cell #15)	05/09/13	04
5	Bobcat pushing sand in scow into stockpile	05/09/13	05
6	Bobcat pushing sand in scow into stockpile	05/09/13	06
7	Backfilling in Cell #15 with clamshell dredge bucket (SWMU 3; Cell #15)	05/09/13	07
8	Backfilling in Cell #15 with clamshell dredge bucket (SWMU 3; Cell #15)	05/09/13	08
9	Backfilling in Cell #15 with clamshell dredge bucket (SWMU 3; Cell #15)	05/09/13	09
10	Backfilling in Cell #15 with clamshell dredge bucket (SWMU 3; Cell #15)	05/09/13	10
11	Backfilling in Cell #15 with clamshell dredge bucket (SWMU 3; Cell #15)	05/09/13	11
12	Core catcher in Cell #15	05/09/13	12
13	Core catcher in Cell #15	05/09/13	13
14	Confirmatory core from Cell #15 – core #7 (SWMU 3; Cell #15)	05/09/13	14
15	Confirmatory core from Cell #15 – core #7 (SWMU 3; Cell #15)	05/09/13	15
16	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	16
17	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	17
18	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #10)	05/09/13	18
19	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	19
20	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	20
21	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	21
22	Confirmatory core from Cell #15 – core #8 (SWMU 3; Cell #15)	05/09/13	22
23	Confirmatory core from Cell #15 – core #8 (SWMU 3; Cell #15)	05/09/13	23
24	Confirmatory core from Cell #15 – core #8 (SWMU 3; Cell #15)	05/09/13	24
25	Confirmatory core from Cell #15 – core #8 (SWMU 3; Cell #15)	05/09/13	25
26	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	26
27	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	27
28	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	28
29	Backfilling in Cell #10 with clamshell bucket (SWMU 3; Cell #10)	05/09/13	29



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/10/2013

REVISION NO: 0
REVISION DATE: N/A
REPORT NO: 46

					KLI OKI NO. 40		
PROJECT NAME / LOCATION: JEB Little	le Creek SWMU 3 and	SWMU 7b / Virginia	Beach, VA				
PROJECT NUMBER: 457901.CE.GN	PROJECT DESCRIP	ROJECT DESCRIPTION: Backfilling SWMU 3					
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled: #10 (complete) #13 (partial)						
ONSITE SUPPORT: Nathaniel Price			START T	'IME/ END TIME:	0630/ 1510		
AM WEATHER: clear, sunny ~60°F	PM WEATHER: clear, sunny ~85°F		WIND DIRECTION: SSW		SSW @ 10-15 mph	@ 10-15 mph	
	WORK FO	RCE (includes subc	ontractors	and visitors)			
Name/Company		Total Hours Today					
Nathaniel Price/CH2M HILL – QA Manager	r	9					
David Davis/McLean Contracting – QC Manager		9					
Weldon Diggs/McLean Contracting – Site Superintendent		9					
Henry Thrul Jr./McLean Contracting – Operator		9					

SUMMARY OF WORK PERFORMED TODAY

9

9

EQUIPMENT ON HAND

Description of Equipment	Make/Model/Manufacturer	Equipment ID Number	Calibration Performed By
127 ton crane with 7 cy clamshell dredge bucket, 9 cy environmental dredge bucket, and 4 cy re-handling bucket			

FIELD OBSERVATIONS:

- 0625 N. Price and McLean Contracting dredge crew arrive at dock
- $0635-McLean\ crew\ begins\ setup$
- 0650 McLean crew and N. Price depart dock by workboat WB-39 (tending vessel)
- 0655 N. Price and McLean crew onboard dredge barge getting started and setting up
- $0710-Environmental\ dredge\ rigged\ onto\ crane$

Gerald Wilson/McClean Contracting - Deckhand

Patrick Brown/McLean Contracting – Deckhand
Tim Scott/McLean Contracting – Deckhand

- 0715 Environmental dredge used to stockpile sand within scow VMC 216
- 0725 Environmental dredge removed; bobcat rigged to crane and lowered into sand scow VMC 216 to assist in stockpiling soil
- 0745 G. Wilson begins pushing sand in scow VMC 216 into stockpile via bobcat
- 0750 D. Davis, T. Scott, and N. Price depart dredge barge onto runnerboat to collect 2 confirmatory samples from Cell #10 (both samples photographed)
- 0800 Confirmatory sampling completed, runnerboat returns to barge
- 0810 Sand scow VMC 216 turned around so that stockpiled sand is closer to the crane
- 0855 Continue backfilling Cell #10
- 0945 Complete backfilling of Cell #10; clamshell dredge bucket removed from crane
- 1010 D. Davis, T. Scott, and N. Price depart dredge barge onto runnerboat to collect 2 confirmatory samples from Cell #10 (both samples photographed)
- 1030 Runnerboat returns to barge
- 1045 Picking up spuds and moving to Cell #13
- 1105 Arrive at Cell #13, lower spuds and attache clamshell dredge bucket
- 1115 Begin backfilling Cell #13
- 1300 Picking up spuds and moving barge to complete second half of Cell #13
- 1340 D. Davis, T. Scott, and N. Price depart dredge barge onto runnerboat to collect 1 confirmatory sample from Cell #10 (sample photographed); completes confirmatory sampling for Cell #10 (all samples meet/exceed minimum sand thickness)
- 1420 Clamshell dredge bucket removed from crane and re-handling bucket rigged to crane to remove the remainer of the sand out of scow VMC 216
- 1430 Continue backfilling Cell #13
- 1600-Stopped backfilling in Cell #13, remov re-handling bucket and begin cleaning up
- 1630 Crane picking up runner boat and bobcat; crew staging dredge barge to remain in place overnight
- 1635 Dredge crew and N. Price depart dredge barge by workboat WB-39 and return to dock
- 1645 N. Price back at dock, end of day

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

W. Diggs is informed by P. Fovargue (Navy FEAD) to continue working and not worry about the ceremony unless told otherwise.

DISCUSSION NOTES:

None

ACTION ITEMS	/FOLLOW UP:								
Review that confirm	Review that confirmatory cores are completed in Cell #13 and show adequate capping with sand								
			HEALTH AND	SAFETY REPORT					
Was A Job Safety	- C					⊠ Yes	☐ No		
		is date? (If Yes, attach copy		1 '		☐ Yes	⊠ No		
	•	Administered This Date? (If		f each permit)		☐ Yes	⊠ No		
		ld/HV Elec/High Work/Hazr		on/checklist performed by Mc	Loon)	Yes (b	y 🔲 No		
, ,		O 1 1	* *	ription of incident and propos		McLean)	⊠ No		
was Hazardous Wi	aterial/ waste Refe	ased into the Environment: (.	ir res, attacir desc.	ription of incident and propos	cu action)	☐ Yes	⊠ N0		
SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of	f any Safety Violat	ions, Corrective Instructions	Given, and Correct	tive Actions Taken)	:		
None									
			FUTURE	WORK					
Planned Work for	this week:								
Continue backfillir	ng and collecting c	onfirmatory cores in SWMU	3						
Planned Work for	Planned Work for Next Week:								
Continue backfillin	ng and collecting c	onfirmatory cores in SWMU	3						
		WASTE	ACCUMULATI	ON/STOCKPILE AREA					
Accumulation / Stockpile Area		N/A							
No of Containers::	0	No of Tank	0	No of Roll-Off Boxes::	0	No. of Drums	0		
Notes:									
		TR	ANSPORTATIO	N AND DISPOSAL					
Transportation and	Disposal Activites	s/Summary Quantitites:							
None observed									
			ATTACI	IMENTS					
List of Attachment	s: (examples, as a	applicable: submittals, meetin	g minutes, safety	meeting minutes, COCs, weig	ght tickets, manife	sts, profiles, rework	item list, etc.):		
None									
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications 05/10/2013					/10/2013 DATE				
except as noted in	xcept as noted in this report PREPARER'S SIGNATURE DATE								



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/10/2013

REPORT NO: 46

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Nathaniel Price

Picture #	Photo Description/Location	Date	Daily Log #
1	Sand scow VMC 220	05/10/13	01
2	Confirmatory core from Cell #10 – core #9 (SWMU 3; Cell #10)	05/10/13	02
3	Confirmatory core from Cell #10 – core #9 (SWMU 3; Cell #10)	05/10/13	03
4	Confirmatory core from Cell #10 – core #9 (SWMU 3; Cell #10)	05/10/13	04
5	Confirmatory core from Cell #10 – core #10 (SWMU 3; Cell #10)	05/10/13	05
6	Confirmatory core from Cell #10 – core #10 (SWMU 3; Cell #10)	05/10/13	06
7	Confirmatory core from Cell #10 – core #10 (SWMU 3; Cell #10)	05/10/13	07
8	Backfilling in Cell #10 with clamshell dredge bucket (SWMU 3; Cell #10)	05/10/13	08
9	Backfilling in Cell #10 with clamshell dredge bucket (SWMU 3; Cell #10)	05/10/13	09
10	Backfilling in Cell #10 with clamshell dredge bucket (SWMU 3; Cell #10)	05/10/13	10
11	Backfilling in Cell #10 with clamshell dredge bucket (SWMU 3; Cell #10)	05/10/13	11
12	Backfilling in Cell #10 with clamshell dredge bucket (SWMU 3; Cell #10)	05/10/13	12
13	Bobcat pushing sand in scow into stockpile	05/10/13	13
14	Bobcat pushing sand in scow into stockpile	05/10/13	14
15	Confirmatory core from Cell #10 – core #11 (SWMU 3; Cell #10)	05/10/13	15
16	Confirmatory core from Cell #10 – core #11 (SWMU 3; Cell #10)	05/10/13	16
17	Confirmatory core from Cell #10 – core #11 (SWMU 3; Cell #10)	05/10/13	17
18	Confirmatory core from Cell #10 – core #12 (SWMU 3; Cell #10)	05/10/13	18
19	Confirmatory core from Cell #10 – core #12 (SWMU 3; Cell #10)	05/10/13	19
20	Confirmatory core from Cell #10 – core #12 (SWMU 3; Cell #10)	05/10/13	20
21	Clamshell bucket picking up backfill sand out of scow VMC 216 (SWMU 3; Cell #10)	05/10/13	21
22	Backfilling in Cell #13 with clamshell dredge bucket (SWMU 3; Cell #13)	05/10/13	22
23	Backfilling in Cell #13 with clamshell dredge bucket (SWMU 3; Cell #13)	05/10/13	23



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/13/2013

REVISION NO: 0
REVISION DATE: N/A

						KE VIS	ON DATE. N/A
						REPOR	T NO: 47
PROJECT NAME / LOCATION: JEB Little	e Creek SW	/MU 3 and s	SWMU 7b / Virginia	Beach, V	A		
ROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3							
PROJECT MANAGER: Brooke Harris	Cell(s) I	Backfilled:					
			#2 (incomplete)				
			#3 (incomplete)				
			44 (incomplete)				
			#5 (incomplete) #6 (incomplete)				
			#7 (incomplete) # 8 (incomplete)				
			#9 (incomplete)				
			#10 (complete)				
			#11 (incomplete)				
			‡12 (incomplete)				
			‡13 (incomplete)				
		#	‡14 (incomplete)				
ONSITE SUPPORT: Mark Ost	•			START	TIME/ END TIME:		0630/ 1645
AM WEATHER: clear, sunny ~64°F PM WEATHER: clear			ar, sunny ~85°F		WIND DIRECTION	: East @	10-15 mph
	7	WORK FO	RCE (includes subco	ontractor	s and visitors)		
Name/Company			Total Hours Today				
Mark Ost/CH2M HILL – QA Manager			10				
David Davis/McLean Contracting – QC Mar	nager		10				
Weldon Diggs/McLean Contracting - Site St	uperintende	nt	10				
Henry Thrul Jr./McLean Contracting - Opera			10				
Gerald Wilson/McClean Contracting – Deckhand			10				
Patrick Brown/McLean Contracting - Deckhand			10				
Tim Scott/McLean Contracting – Deckhand			10				
		SUMMA	RY OF WORK PEF	RFORME	ED TODAY		
EQUIPMENT ON HAND							
Description of Equipment Make/M			Iodel/Manufacturer	Е	quipment ID Number		Calibration Performed By
127 ton crane with 7 cy clamshell dredge bucket, 9 cy environmental dredge bucket, and 4 cy re-handling bucket							

FIELD OBSERVA							
		Contracting dredge crew arriv	e at pier				
0635 – McLean cre		.	WD 20 (15			
		Price depart pier by workboat					
		board dredge barge – getting s	started and setting	g up			
0710 – Environmer							
0715 – Crane used		oat					
0725 – Crane rigge		VCM 216 to grid #13					
1015 – Crane ops s		1 VCM 210 to grid #13					
1015 – Crane ops si 1025 – Resume cra							
1125 – Clam shell of	•	ed from crane					
		Ost and Dave Davis to collect of	ore samples				
1150 – Collect core			ore samples				
1200 – Collect core							
1201 – Mclean safe							
		barge to complete second half	f of cell #13, 50 f	t closer to the pier and quay v	vall		
1320 – N. Price and				· · · · · · · · · · · · · · · · · · ·			
1325 – Rig clam sh	•						
1330 – Continue ba							
		attachment to clam shell					
1410 – Reweld cha	-						
1412 – Resume bac	ck fill cell #13						
1549 – Secure back	fill operations and	I stow clam shell on deck					
1550 – Small craft	runner boat back o	on deck					
1600 – Depart barg	e for pier onboard	WB39					
1630 – Arrive at pie	er. All personnel b	ack on pier					
1645 – End of day							
DATA REVIEW:							
N/A							
	DITIONS/DELA	Y/CONFLICTS ENCOUNT	ERED:				
N/A	- FINE C						
DISCUSSION NO	TES:						
DISCUSSION NO None							
DISCUSSION NO None ACTION ITEMS/	FOLLOW UP:	annulated in Call #12 and above	v odovota comi	o with and			
DISCUSSION NO None ACTION ITEMS/	FOLLOW UP:	ompleted in Cell #13 and show					
None ACTION ITEMS/ Review that confirm	FOLLOW UP:	•		ng with sand D SAFETY REPORT		⊠ Vas	
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety N	FOLLOW UP: matory cores are co	Date?	HEALTH ANI	SAFETY REPORT		∑ Yes	□ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety N Were there any lost	FOLLOW UP: matory cores are co	Date? is date? (If Yes, attach copy o	HEALTH AND	O SAFETY REPORT IA report)		☐ Yes	⊠ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mere there any lost Was a Confined Sp	FOLLOW UP: matory cores are co Meeting Held This time accidents the ace Entry Permit A	Date? is date? (If Yes, attach copy of Administered This Date? (If Y	HEALTH AND of completed OSF Yes, attach copy o	O SAFETY REPORT IA report)		☐ Yes	⊠ No ⊠ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift	FOLLOW UP: matory cores are co Meeting Held This -time accidents the ace Entry Permit A /Trenching/Scaffo	Date? is date? (If Yes, attach copy o Administered This Date? (If Y ld/HV Elec/High Work/Hazm	HEALTH AND of completed OSE Yes, attach copy of at Work Done?	D SAFETY REPORT IA report) f each permit)	cLean)	☐ Yes ☐ Yes ☐ Yes ☐ Yes (b	⊠ No ⊠ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state	FOLLOW UP: matory cores are conference of the co	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed	HEALTH ANI of completed OSE	D SAFETY REPORT IA report) f each permit) on/checklist performed by Money Mon		☐ Yes ☐ Yes ☐ Yes (b McLean)	⊠ No ⊠ No y □ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state	FOLLOW UP: matory cores are conference of the co	Date? is date? (If Yes, attach copy o Administered This Date? (If Y ld/HV Elec/High Work/Hazm	HEALTH ANI of completed OSE	D SAFETY REPORT IA report) f each permit) on/checklist performed by Money Mon		☐ Yes ☐ Yes ☐ Yes ☐ Yes (b	⊠ No ⊠ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Manual Service	Meeting Held This time accidents the acc Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH ANI of completed OSH of ses, attach copy of at Work Done? of (Crane inspection) of the complete of the	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propos	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	Meeting Held This time accidents the acc Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed	HEALTH ANI of completed OSH of ses, attach copy of at Work Done? of (Crane inspection) of the complete of the	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propos	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Manual Service	Meeting Held This time accidents the acc Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH ANI of completed OSH of ses, attach copy of at Work Done? of (Crane inspection) of the complete of the	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propos	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	Meeting Held This time accidents the acc Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH ANI of completed OSH of ses, attach copy of at Work Done? of (Crane inspection) of the complete of the	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	Meeting Held This time accidents the acc Entry Permit A /Trenching/Scaffo ment or checklist aterial/Waste Relea	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH ANI of completed OSF of es, attach copy of at Work Done? Of (Crane inspection) of Crane inspection of Stress, attach desc of Stress, attach desc of Stress, attach desc	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mark Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Mark Hazardous Ma	Meeting Held This -time accidents the ace Entry Permit A /Trenching/Scaffo ment or checklist aterial/Waste Relea	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a second of the	HEALTH ANI of completed OSE of es, attach copy of at Work Done? Of (Crane inspection) (Crane inspection) of the complete of th	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mere there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Mass AFETY ACTION None Planned Work for t Continue backfillin	Meeting Held This ace Entry Permit A /Trenching/Scaffo ment or checklist sterial/Waste Relea	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH ANI of completed OSE of es, attach copy of at Work Done? Of (Crane inspection) (Crane inspection) of the complete of th	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mark there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Mark Ha	Meeting Held This terms accidents the acc Entry Permit A Trenching/Scafforment or checklist enterial/Waste Release NS TAKEN TOD This week: g and collecting converted the second	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3	HEALTH ANI of completed OSH of es, attach copy of at Work Done? of (Crane inspection) of Crane inspection	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mark there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Mark Ha	Meeting Held This terms accidents the acc Entry Permit A Trenching/Scafforment or checklist enterial/Waste Release NS TAKEN TOD This week: g and collecting converted the second	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 confirmatory cores in SWMU 3	HEALTH ANI of completed OSE of completed OSE of statch copy of at Work Done? Of (Crane inspection) of Crane inspection of Statch description of Statch des	D SAFETY REPORT IA report) If each permit) on/checklist performed by Maription of incident and propositions, Corrective Instructions E WORK	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mark there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Mark Ha	Meeting Held This terms accidents the acc Entry Permit A Trenching/Scafforment or checklist enterial/Waste Release NS TAKEN TOD This week: g and collecting converted the second	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 confirmatory cores in SWMU 3	HEALTH ANI of completed OSE of completed OSE of statch copy of at Work Done? Of (Crane inspection) of Crane inspection of Statch description of Statch des	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mark there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Mark Ha	Meeting Held This terms accidents the acc Entry Permit A Trenching/Scafforment or checklist enterial/Waste Release NS TAKEN TOD This week: g and collecting converted the second	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 confirmatory cores in SWMU 3	HEALTH ANI of completed OSE of completed OSE of statch copy of at Work Done? Of (Crane inspection) of Crane inspection of Statch description of Statch des	D SAFETY REPORT IA report) If each permit) on/checklist performed by Maription of incident and propositions, Corrective Instructions E WORK	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mere there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION None Planned Work for Mere the continue backfillin Planned Work for Mere the continue backfillin Accumulation / Stockpile Area No of	Meeting Held This terms accidents the acc Entry Permit A Trenching/Scafforment or checklist enterial/Waste Release NS TAKEN TOD This week: g and collecting converted the second	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 WASTE	HEALTH ANI of completed OSE of completed OSE of statch copy of at Work Done? Of (Crane inspection) of Crane inspection of Statch description of Statch des	D SAFETY REPORT IA report) If each permit) on/checklist performed by Maription of incident and propositions, Corrective Instructions E WORK	ed action)	☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes	No No No y □ No No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION None Planned Work for t Continue backfillin Planned Work for N Continue backfillin Accumulation / Stockpile Area No of Containers:	Meeting Held This acc Entry Permit A / Trenching/Scaffo ment or checklist atterial/Waste Release NS TAKEN TOD his week: g and collecting colle	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 WASTE	HEALTH ANI of completed OSF of completed OSF of statch copy of at Work Done? of (Crane inspection of the complete of the c	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions E WORK ON/STOCKPILE AREA	Given, and Correct	☐ Yes ☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes ctive Actions Taken)	⊠ No ⊠ No y □ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mere there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION None Planned Work for Mere the continue backfillin Planned Work for Mere the continue backfillin Accumulation / Stockpile Area No of	Meeting Held This acc Entry Permit A / Trenching/Scaffo ment or checklist atterial/Waste Release NS TAKEN TOD his week: g and collecting colle	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 WASTE IN/A No of Tank	HEALTH ANI of completed OSF es, attach copy of at Work Done? (Crane inspectives, attach description of the complete of the	D SAFETY REPORT IA report) If each permit) on/checklist performed by Maription of incident and propositions, Corrective Instructions E WORK ON/STOCKPILE AREA No of Roll-Off Boxes:	Given, and Correct	☐ Yes ☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes ctive Actions Taken)	⊠ No ⊠ No y □ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety M Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION None Planned Work for t Continue backfillin Planned Work for N Continue backfillin Accumulation / Stockpile Area No of Containers:	Meeting Held This acc Entry Permit A / Trenching/Scaffo ment or checklist atterial/Waste Release NS TAKEN TOD his week: g and collecting colle	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 WASTE IN/A No of Tank	HEALTH ANI of completed OSF es, attach copy of at Work Done? (Crane inspectives, attach description of the complete of the	D SAFETY REPORT IA report) f each permit) on/checklist performed by Moription of incident and propositions, Corrective Instructions E WORK ON/STOCKPILE AREA	Given, and Correct	☐ Yes ☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes ctive Actions Taken)	⊠ No ⊠ No y □ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mere there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION None Planned Work for Mere the continue backfillin Planned Work for Mere the continue backfillin Accumulation / Stockpile Area No of Containers: Notes:	Meeting Held This ace Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release NS TAKEN TOD his week: g and collecting context Week: g and collecting context week:	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 WASTE IN/A No of Tank	HEALTH ANI of completed OSF es, attach copy of at Work Done? (Crane inspectives, attach description of the complete of the	D SAFETY REPORT IA report) If each permit) on/checklist performed by Maription of incident and propositions, Corrective Instructions E WORK ON/STOCKPILE AREA No of Roll-Off Boxes:	Given, and Correct	☐ Yes ☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes ctive Actions Taken)	⊠ No ⊠ No y □ No
DISCUSSION NO None ACTION ITEMS/ Review that confirm Was A Job Safety Mere there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION None Planned Work for Mere the continue backfillin Planned Work for Mere the continue backfillin Accumulation / Stockpile Area No of Containers: Notes:	Meeting Held This ace Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release NS TAKEN TOD his week: g and collecting context Week: g and collecting context week:	Date? is date? (If Yes, attach copy of Administered This Date? (If Yeld/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If AY (Include Observations of a confirmatory cores in SWMU 3 WASTE IN/A No of Tank TRA	HEALTH ANI of completed OSF es, attach copy of at Work Done? (Crane inspectives, attach description of the complete of the	D SAFETY REPORT IA report) If each permit) on/checklist performed by Maription of incident and propositions, Corrective Instructions E WORK ON/STOCKPILE AREA No of Roll-Off Boxes:	Given, and Correct	☐ Yes ☐ Yes ☐ Yes ☐ Yes (b McLean) ☐ Yes ctive Actions Taken)	⊠ No ⊠ No y □ No

List of Attachments: (examples, as applicable: submittals, meeting m	inutes, safety meeting minutes, COCs, weight tickets, man	ifests, profiles, rework item list, etc.):
None		
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report	Which of my	05/13/2013
	PREPARER'S SIGNATURE	DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/13/2013 REPORT NO: 47

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Dietres	Dhoto Docorintian // costian	Deta	Datte
Picture #	Photo Description/Location	Date	Daily Log #
1	B033	5/13/13	1
2	B034	5/13/13	2
			l



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/14/2013

					REPORT NO: 48		
PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA							
PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3							
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled:						
		2 (incomplete) 3 (incomplete)					
	#4	(incomplete)					
	#5	(incomplete)					
	#6	6 (incomplete)					
	#7	7 (incomplete)					
		8 (incomplete)					
		(incomplete)					
		0 (complete)					
		11 (incomplete)					
		12 (incomplete)					
		13 (complete) 14 (incomplete)					
ONSITE SUPPORT: Mark Ost	#1	14 (mcomplete)	STARTT	IME/ END TIME:	0630/1730		
AM WEATHER: clear, sunny ~64°F	PM WEATHER: cle	ar sunny ~85°F	STAKT I	WIND DIRECTION:			
AN WEATHER. Clear, sunny 1-04 I		RCE (includes subco	ntractors		Eust (@ 10-15 inpii		
Name/Company	WORKTO	RCE (includes subco	miraciors i	Total Hours T	odav		
Mark Ost/CH2M HILL – QA Manager		10					
David Davis/McLean Contracting – QC Mar	nager	10					
Weldon Diggs/McLean Contracting – Site S		10					
Henry Thrul Jr./McLean Contracting - Open	ator	10					
Gerald Wilson/McClean Contracting - Deck	hand	10					
Patrick Brown/McLean Contracting - Deckh	and	10					
Tim Scott/McLean Contracting – Deckhand	10						
	SUMMA	RY OF WORK PE	RFORMED	TODAY			
EQUIPMENT ON HAND							
Description of Equipment	Make/N	Model/Manufacturer	Equ	ipment ID Number	Calibration Performed By		
127 ton crane with 7 cy clamshell dredge bucket, and 4 cy re-habucket	cket, 9 cy ndling						

FIELD OBSERVATIONS:						
0625 –M. Ost, and McLean Contracting dredge crew arrive at dock						
0635 – McLean crew begins setup. New sand barge arrives						
0637 – McLean crew, M. Ost depart dock by workboat WB-39 (tending vessel)						
0700 –M. Ost and McLean crew onboard dredge barge – getting started and setting up. Transfer fuel tank from WB39 to barge						
0715 – Crane used to deploy runner boat 0740 – Crane rigged to clamshell bucket. Resume sand backfill at grid #13						
0750 – Commence sand transfer from VCM 232 to grid #13						
0900 – Bucket on deck complete grid #13						
0920 – Collect samples B035, 30 inches of sand (Note: sample location moved 10 feet from original location due to water depth caused by high tide)						
0950 – Collect B036, 24 inches of sand						
1000- Resume crane ops. Pull spuds to reposition barge to grid #11						
1045 – Commence refill grid #11						
1150 - Crane OOC due to cable jumping out of sheave. Commence repairs. Secure back fill of grid #11						
1400 – Repairs on crane complete. 2 hours of down time due to mechanical failure.						
1401 – Resume back fill cell #11						
1505 – Secure backfill operations and hook up environmental bucket to shift sand on barge						
1540 – Secure sand redistribution in VCM 232						
1545 – Placed bobcat in VCM232						
1615 – Recommenced sand backfill in cell #11						
1640 – Secure sand back fill in cell #11						
1645 – Rigged runner boat back on deck of barge						
1730 – Depart barge for pier aboard WB39 1730 – End of day. Depart pier.						
DATA REVIEW:						
N/A						
CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:						
DISCUSSION NOTES:						
None						
ACTION ITEMS/FOLLOW UP:						
Review that confirmatory cores are completed in Cell #13 and show adequate capping with sand. Continue backfill at Cell 11.						
HEALTH AND SAFETY REPORT						
Was A Job Safety Meeting Held This Date?						
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report)						
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit)						
Was Crane/Manlift/Trenching/Scaffold/HV Elec/High Work/Hazmat Work Done? (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) McLean						
W. M. J. Mariana and Control of the						
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Yes No						
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):						
None ELITIDE WORK						
FUTURE WORK						
Planned Work for this week:						
Continue backfilling and collecting confirmatory cores in SWMU 3						
Planned Work for Next Week:						
Continue backfilling and collecting confirmatory cores in SWMU 3						
WASTE ACCUMULATION/STOCKPILE AREA						
Accumulation / N/A Stockpile Area						
No of 0 No of Tank 0 No of Roll-Off Boxes: 0 No. of Drums 0						
Containers:						
Notes:						
TRANSPORTATION AND DISPOSAL						
Transportation and Disposal Activites/Summary Quantitites:						
None observed						
ATTACHMENTS						
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.):						

None

On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report	Much of M	05/14/2013
	PREPARER'S SIGNATURE	DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/14/2013 REPORT NO: 48

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture #	Photo Description/Location	Date	Daily Log #
1	Core B035	5/14/13	1
2	Core B036	5/14/13	2
-			
		1	



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/15/2013

						REPOR	RT NO: 49	
PROJECT NAME / LOCATION: JEB Litt	tle Creek SV	VMU 3 and	SWMU 7b / Virginia	Beach, VA	Λ			
PROJECT NUMBER: 457901.CE.GN	PROJEC*	Γ DESCRIP	TION: Backfilling	SWMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) B	ackfilled:						
	#2 (incomplete) #3 (incomplete)							
			(incomplete)					
			(incomplete)					
			(incomplete)					
			' (incomplete)					
			8 (incomplete)					
			(incomplete)					
			0 (complete)					
			1 (complete)					
			2 (incomplete)					
		#1	3 (complete)					
		#1	4 (incomplete)					
ONSITE SUPPORT: Mark Ost				START	TIME/ END TIME:		0630/ 1630	
AM WEATHER: clear, sunny ~64°F	PM WEA	THER: cle	ar, sunny ~85°F	I	WIND DIRECTION:	South @	20-23 mph	
	,	WORK FO	RCE (includes subc	ontractors	and visitors)			
Name/Company			,		Total Hours	Гoday		
Mark Ost/CH2M HILL – QA Manager			10					
David Davis/McLean Contracting – QC Manager			10					
Weldon Diggs/McLean Contracting – Site Superintendent			10					
Henry Thrul Jr./McLean Contracting – Open	rator		10					
Gerald Wilson/McClean Contracting – Deck	khand		10					
Patrick Brown/McLean Contracting – Deck	hand		10					
Tim Scott/McLean Contracting – Deckhand			10					
		SUMMA	RY OF WORK PE	RFORME	D TODAY			
EQUIPMENT ON HAND								
Description of Equipment		Make/N	/odel/Manufacturer	Eq	uipment ID Number		Calibration Performed By	
127 ton crane with 7 cy clamshell dredge bu environmental dredge bucket, and 4 cy re-ha bucket	andling							
FIELD OBSERVATIONS:								
0630 –M.Ost and McLean Contracting dred	ge crew arri	ve at pier						
0635 – McLean crew begins setup	C							
0637 - McLean crew, M. Ost depart pier by								
0700 –M. Ost and McLean crew onboard dr	edge barge;	getting start	ted and setting up					
0715 – Crane used to deploy runner boat	scume cand	backfill at m	rid #11					
1050 – Secure backfill of cell #11.	0730 – Crane rigged to clamshell bucket. Resume sand backfill at grid #11							
1100 – Collect core sample B041, 24 plus inches of sand. 8 inches leaked out of the sampler on withdrawal								
1105 – Collect core sample B040, 30 plus inches of sand								
1124 – Pull spuds to reposition barge in cell #11								
1300 – Secure backfill of cell #11, bucket ondeck 1315 – Resume back fill cell #11								
1415 – Secure backfill operations . Barge empty of sand								
1500 – Collect core sample B043, 30 plus inches of sand								
1501 – Collect core sample B044, 30 plus in		d						
1510 – Rigged runner boat back on deck of	_							
1600 – Depart barge for pier. aboard WB39 1630 –End of day, Depart pier								

DISCUSSION NOTES None	DATA REVIEW: N/A								
ACTION ITEMS/FOLLOW UP: Review that confirmatory cores are completed in Cell #13 and show adequate capping with sand. Continue backfill at Cell #10 Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach description of incident permit by McLean) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach description of incident and proposed action) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach description of incident and proposed action) Was Canolined Space Entry Permit Administered This Date? (If Yes, attach description of incident and proposed action) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) Was Canolined backfilling and collecting confirmatory cores in SWMU 3 Planned Work for this week: Waste ACCUMULATION/STOCKPILE AREA **NA** **Sucception Accumulation / Stock Weight Tock Weigh									
Real Hard Not Not He Al Hard Not He Al Hard Not Not He Al Hard Not He		OTES:							
Was A Job Safety Meeting Held This Date? Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Was a Confined Space Entry Permit Administered This Date? (If Yes, attach eopy of each permit) Was Canne/Manlift/Tenching/Scaffold/HV Elec/High Work/Hazmat Work Done? (If Yes, attach statement or checkhist showing inspection performed) (Craine inspection/checklist performed by McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 **WASTE ACCUMULATION/STOCKPILE AREA** Accumulation / Stockpile Area No of ON No of Tank ON No of Tank ON No of Roll-Off Boxes: ON No. of Drums On No. of Drums On No. of Stockpile Area **Transportation and Disposal Activites/Summary Quantities: Notes: **Transportation and Disposal Activites/Summary Quantities: None observed: **Transportation and One of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, Lattest that to the best of my knowledge the report is complete and correct and equipment and material used and work per formored during this reporting period is in compliance with the contract drawings and specifications ceeper in this report		FOLLOW UP:							
Was A Job Safety Meeting Held This Date? Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was Canae/Manlift/Tenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Was Canae/Manlift/Tenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of No of Tank No of Tank On of Tank On of Tank Transportation and Disposal Activites/Summary Quantitites: None observed TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites None observed On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work per formed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report in this report.	Review that confirm	matory cores are co	ompleted in Cell #13 and show	adequate cappin	g with sand. Continue backfil	l at Cell 11.			
Were there any lost-time accidents this date? (If Yes, attach copy of completed OSHA report) Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was Caran-Manifild Tranching/Sacffdd/HY Eleghigh Work/Haramat Work Done? (If Yes, attach statement or checklist showing inspection performed) (Crane inspection) checklist performed by McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken). None FUTURE WORK Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 No of Continue backfilling and collecting confirmatory cores in SWMU 3 No of Continue backfilling and collecting confirmatory cores in SWMU 3 Accumulation / No of Tank				HEALTH AND	SAFETY REPORT				
Was a Confined Space Entry Permit Administered This Date? (If Yes, attach copy of each permit) Was Crane/Manlith/Tenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Was Grane/Manlith/Tenching/Scaffold/HV Elec/High Work/Hazmat Work Done? Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Taken): None	_	C						_	
Was Crane/Manlith/Trenching/Seaffold/HV Elec/High Work/Hazmat Work Done? (If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Waste ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of No of Tank 0 No of Roll-Off Boxes: 0 No. of Drums 0 Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CHZM HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report in compliance with the contract drawings and specifications except as noted in this report in complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report in complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report in complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications	-			•	• /				
(If Yes, attach statement or checklist showing inspection performed) (Crane inspection/checklist performed by McLean) Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) RAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 VASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of 0 No of Tank 0 No of Roll-Off Boxes: 0 No. of Drums 0 TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications		•	*		f each permit)				
Was Hazardous Material/Waste Released into the Environment? (If Yes, attach description of incident and proposed action) SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken): None FUTURE WORK Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of O No of Tank O No of Roll-Off Boxes: O No. of Drums O Containers: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL. I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report					on/checklist performed by Mc	Lean)		y 📙 No	
Planned Work for this week:	,		C I I	, · · · · · · · · · · · · · · · · · · ·	1			⊠ No	
Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of Containers: No of Containers: No of Tank No of Tank Transportation and Disposal Activites/Summary Quantitities: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report On behalf of CH2M the contract drawings and specifications except as noted in this report On behalf or the contract drawings and specifications except as noted in this report to the contract drawings and specifications except as noted in this report On behalf or the contract drawings and specifications except as noted in this report.	SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of a	any Safety Violat	ions, Corrective Instructions C	Given, and Correct	ive Actions Taken):		
Planned Work for this week: Continue backfilling and collecting confirmatory cores in SWMU 3 Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area N/A No of No of Tank 0 No of Roll-Off Boxes: 0 No. of Drums 0 No. of Stockpile Area N/A Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report	None								
Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area N/A No of 0 No of Tank 0 No of Roll-Off Boxes: 0 No. of Drums 0 Containers: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report				FUTURE	WORK				
Planned Work for Next Week: Continue backfilling and collecting confirmatory cores in SWMU 3 **WASTE ACCUMULATION/STOCKPILE AREA** Accumulation / Stockpile Area** No of Containers: No of Containers: **TRANSPORTATION AND DISPOSAL** Transportation and Disposal Activites/Summary Quantitities: None observed **ATTACHMENTS** List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report **TRANSPORTATION AND DISPOSAL** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **ATTACHMENTS** **DISPOSAL** **ATTACHMENTS** **ATTACHMENTS** **DISPOSAL** **DISP	Planned Work for t	his week:							
Continue backfilling and collecting confirmatory cores in SWMU 3 WASTE ACCUMULATION/STOCKPILE AREA Accumulation / Stockpile Area No of Containers: No of Containers: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report NOS/15/2013	Continue backfillin	g and collecting co	onfirmatory cores in SWMU 3						
Accumulation / Stockpile Area No of Containers: No of Containers: No of Stockpile Area No of Containers: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report Os/15/2013	Planned Work for 1	Next Week:							
Accumulation / Stockpile Area No of Containers: No of Containers: No of Containers: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this report upin period is in compliance with the contract drawings and specifications except as noted in this report None	Continue backfillin	g and collecting co	onfirmatory cores in SWMU 3						
No of Containers: No of Containers: Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report			WASTE A	ACCUMULATI	ON/STOCKPILE AREA				
Notes: TRANSPORTATION AND DISPOSAL Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report O5/15/2013			N/A						
Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report		0	No of Tank	0	No of Roll-Off Boxes:	0	No. of Drums	0	
Transportation and Disposal Activites/Summary Quantitites: None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report O5/15/2013	Notes:								
None observed ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report O5/15/2013			TRA	NSPORTATIO	N AND DISPOSAL				
ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report O5/15/2013	Transportation and	Disposal Activites	s/Summary Quantitites:						
List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report O5/15/2013	None observed								
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report O5/15/2013	ATTACHMENTS								
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report 05/15/2013	List of Attachment	s: (examples, as a	applicable: submittals, meeting	minutes, safety	meeting minutes, COCs, weig	tht tickets, manifes	sts, profiles, rework	item list, etc.):	
knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report 05/15/2013	None								
knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report 05/15/2013	On behalf of CU2N	/ HIII Lattact the	et to the best of my		1				
material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report 05/15/2013					\				
except as noted in this report U3/13/2013	material used and v	vork performed du	ring this reporting period is	Ş	4/- / 1	2.0			
except as noted in and report			ings and specifications		(and of 1)		05/	15/2013	
	except as noted in t	ль тероп			PREPARER'S SIGNATURE	***			



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/15/2013 REPORT NO: 49

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture	Photo Description/Location	Date	Daily Log #
#	G. PAU	5/15/10	
1	Core B041	5/15/13	1
2	Core B040	5/15/13	2
3	Core B043	5/15/13	3
4	Core B044	5/15/13	4
			1



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/16/2013

	(ATTACH ADDITIONAL SHEETS IF NECESSART)			SSAKT)	REVISION DATE: N/A		
						REPOR	RT NO: 50
PROJECT NAME / LOCATION: JEB Lit	•						
PROJECT NUMBER: 457901.CE.GN	PROJECT I	DESCRIP	TION: Backfilling S	SWMU 3			T
PROJECT MANAGER: Brooke Harris	Cell(s) Back						
			2 (incomplete) 3 (incomplete)				
			(incomplete)				
			(incomplete)				
		#6	(incomplete)				
		#7	(incomplete)				
			8 (incomplete)				
			(complete)				
			0 (complete)				
			1 (complete)				
			2 (incomplete)				
			3 (complete) 4 (incomplete)				
		#1	4 (incomplete)				
ONSITE SUPPORT: Mark Ost				START T	TIME/ END TIME:		0630/ 1735
AM WEATHER: clear, sunny ~72°F	PM WEATI	HER: clo	udy, ~95°F		WIND DIRECTION	N: South (1) 20-23 mph
	W	ORK FO	RCE (includes subc	ontractors	and visitors)		
Name/Company					Total Hours	Today	
Mark Ost/CH2M HILL – QA Manager			10.5				
David Davis/McLean Contracting - QC Ma	anager		10.5				
Weldon Diggs/McLean Contracting – Site	Superintendent		10.5				
Henry Thrul Jr./McLean Contracting - Ope	erator		10.5				
Gerald Wilson/McClean Contracting – Dec	khand		10.5				
Patrick Brown/McLean Contracting – Deckhand			10.5				
Tim Scott/McLean Contracting – Deckhand			10.5				
	\$	SUMMA	RY OF WORK PEI	RFORMEI	TODAY		
EQUIPMENT ON HAND							
Description of Equipment		Make/N	Model/Manufacturer	Equ	uipment ID Number		Calibration Performed By
127 ton crane with 7 cy clamshell dredge b environmental dredge bucket, and 4 cy re-h bucket	ucket, 9 cy andling						

FIELD OBSERVA							
		ing dredge crew arrive a	at dock				
0635 – McLean cre		mont dools by worldboot	WD 20 (tanding yage	al)			
0650 – New sand b		part dock by workboat	WD-39 (teliding vess	(CI)			
	•	oard dredge barge; gett	ing started and settin	σıın			
0705 – Crane used			ing started and setting	5 ^u p			
0800 – WB39 place							
0830 – Attach clam							
0845 – Commence		and cell #8					
1130 – Secure back	fill cell #9, clams	shell on deck					
1144 – Rig environ	mental bucket to	crane to re arrange sand	l in barge.				
1205 – Environmer	ntal bucket on dec	k.					
1206 – Hook bobc							
1220 – Collect sam	-						
1225 – Collect sam	-						
1239 – WB39 posit		#9					
1325 – Complete ba							
1340 – Hook up cla		110 1110					
1342 Recommen		s #8 and #9 d #9. clamshell on deck					
1610 – Collected sa							
1617 – Collected sa							
		place along the quay w	rall at SWMU3				
1700 – Mooring un			an at 5 wivies				
1701 – Complete ce		ar ourge in con with					
1710 – Small runne							
1720 - Depart dred	ge barge for pier.						
1735 – Arrive at pie	er. Depart work s	ite					
DATA REVIEW:							
N/A							
CHANGED CON	DITIONS/DELA	AY/CONFLICTS ENC	OUNTERED:				
DISCUSSION NO	TEC.						
None None	IES.						
ACTION ITEMS/	FOLLOW UP:						
		completed in Cell #13 a	nd show adequate car	oping with sand. Continue backt	fill at Cell 11. 8	and 14.	
	<u>, </u>	•		AND SAFETY REPORT	,		
Was A Job Safety N	Meeting Held Thi	s Date?					☐ No
,	U	nis date? (If Yes, attach	copy of completed (OSHA report)		Yes	⊠ No
		Administered This Date				Yes	⊠ No
		old/HV Elec/High Worl				∑ Yes (b	y 🔲 No
		•	*	ection/checklist performed by M	The second second	McLean)	
Was Hazardous Ma	nterial/Waste Rele	eased into the Environm	ent? (If Yes, attach d	lescription of incident and propo	sed action)	☐ Yes	No
SAFETY ACTIONS TAKEN TODAY (Include Observations of any Safety Violations, Corrective Instructions Given, and Corrective Actions Taken):							
None							
			FUTU	JRE WORK			
Planned Work for t	his week:						
		confirmatory cores in S'	WMII3				
		commutatory cores in 5	WWO 3				
Planned Work for N							
Continue backfillin	g and collecting of	confirmatory cores in S					
		W	ASTE ACCUMULA	ATION/STOCKPILE AREA			
Accumulation / Stockpile Area		N/A					
No of	0	No of Tank	0	No of Roll-Off Boxes:	0	No. of Drums	0
Containers:					<u> </u>		
Notes:							
TRANSPORTATION AND DISPOSAL							
Transportation and	Disposal Activite	es/Summary Quantitites	:				
None observed		J (2 1					

ATTACHMENTS List of Attachments: (examples, as applicable: submittals, meeting minutes, safety meeting minutes, COCs, weight tickets, manifests, profiles, rework item list, etc.): None On behalf of CH2M HILL, I attest that to the best of myWhich of

knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report

05/16/2013

PREPARER'S SIGNATURE DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/16/2013 REPORT NO: 50

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA						
PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3						
PROJECT MANAGER: Brooke Harris		ONSITE SUPPORT: Mark Ost				

			T
Picture #	Photo Description/Location	Date	Daily Log #
1	Core B042	5/13/13	1
2	Core B045	5/13/13	2
3	Core B046	5/14/13	3
4	Core B048	5/14/13	4



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/17/2013

					,	REVISI	ION DATE: N/A
						REPOR	T NO: 51
PROJECT NAME / LOCATION: JEB Lit	tle Creek SW	MU 3 and	SWMU 7b / Virginia	Beach, VA			
PROJECT NUMBER: 457901.CE.GN	PROJECT	DESCRIP	TION: Backfilling S	SWMU 3			
PROJECT MANAGER: Brooke Harris	Cell(s) Ba	ckfilled:					
		#:	2 (complete) 3 (incomplete)				
		#4	(incomplete)				
		#5	(incomplete)				
		#6	(incomplete)				
		#7	(incomplete)				
		#	8 (incomplete)				
			(complete)				
			0 (complete)				
		#11 (complete)					
			2 (complete)				
		#13 (complete)					
		#1	4 (complete)				
ONSITE SUPPORT: Mark Ost				START TI	IME/ END TIME:		0615/ 1800
AM WEATHER: clear, sunny ~62°F	PM WEA	THER: clo	udy, ~72°F		WIND DIRECTION:	South @) 10-15 mph
	V	VORK FO	RCE (includes subco	ontractors a	nd visitors)		
Name/Company					Total Hours T	oday	
Mark Ost/CH2M HILL – QA Manager			12				
David Davis/McLean Contracting - QC Ma	nager		12				
Weldon Diggs/McLean Contracting - Site S	Superintender	nt	12				
Henry Thrul Jr./McLean Contracting - Ope	rator		12				
Gerald Wilson/McClean Contracting – Dec	khand		12				
Patrick Brown/McLean Contracting - Deck	hand		12				
Tim Scott/McLean Contracting - Deckhand	l		12				
		SUMMA	RY OF WORK PER	RFORMED	TODAY		
EQUIPMENT ON HAND							
Description of Equipment		Make/N	Model/Manufacturer	Equ	ipment ID Number		Calibration Performed By
127 ton crane with 7 cy clamshell dredge be environmental dredge bucket, and 4 cy re-h bucket	acket, 9 cy andling						

FIELD OBSERVA							
		ng dredge crew arrive at pier					
0615 – McLean cre			6 P B				
	_	part pier by workboat WB-39					
		oard dredge barge; getting star	ted and setting u	0			
0620 – Crane used 0630 - Attach clam		ooat					
0845 – Commence		14 and call #12					
0720 – Clam shell o 0800 – Collect B03							
0805 - Collect B03							
0809 – Collect B03							
0810 – Move barge		nu					
0900 – Complete ri							
0902 - Rig clam sh	-						
0903 – Commence							
1115 – Secure back		ell on deck					
1150 – Collect B03							
1155 - Collect B03							
		inches of sand. Complete cell	#2				
1545 – Reposition	barge in cell #4	•					
1655 – Secure back	-	deck					
1700 – Rig runner l	boat to crane and p	place on deck					
1701 – Recommend	ce backfill						
1725 – Secure back	cfill						
1738 – Rig bobcat	out of sand barge						
1750 – Depart Barg	ge.						
1800 – Arrive at pi	er						
DATA REVIEW:							
N/A							
CHANCED CON	DITIONS/DELA	Y/CONFLICTS ENCOUNT	EDED.				
CHANGED CON	DITIO 10/DEE1	1/CONTEICIS ENCOCIVI	EKED:				
		- I/CONTEICIS ENCOCNI	EKED:				
DISCUSSION NO		T/CONFEICTS ENCOUNT	EKED:				
DISCUSSION NO None	OTES:	T/CONTENCTS ENCOUNT	ERED:				
DISCUSSION NO None ACTION ITEMS/	OTES: FOLLOW UP:		ERED:				
DISCUSSION NO None ACTION ITEMS/	OTES: FOLLOW UP:	arge to arrive over weekend		O SA FETV DEDODT			
DISCUSSION NO None ACTION ITEMS/ Continue backfill c	FOLLOW UP: ell 4. New sand ba	arge to arrive over weekend		O SAFETY REPORT		V Vac	□ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c	FOLLOW UP: ell 4. New sand ba	arge to arrive over weekend	HEALTH ANI			∑ Yes	□ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th	arge to arrive over weekend s Date? si date? (If Yes, attach copy of	HEALTH ANI	HA report)		Yes	⊠ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents thace Entry Permit A	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yes)	HEALTH AND of completed OSE (es, attach copy of	HA report)		Yes Yes	⊠ No ⊠ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents that acc Entry Permit A /Trenching/Scaffo	arge to arrive over weekend s Date? is date? (If Yes, attach copy of Administered This Date? (If Yes) ld/HV Elec/High Work/Hazm	HEALTH AND of completed OSE (es, attach copy of at Work Done?	AA report) of each permit)	cLean)	Yes Yes Yes (b	⊠ No ⊠ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents the lace Entry Permit A /Trenching/Scafforment or checklist	arge to arrive over weekend s Date? is date? (If Yes, attach copy of Administered This Date? (If Yes) bld/HV Elec/High Work/Hazmshowing inspection performed	HEALTH AND of completed OSE (es, attach copy of at Work Done? I) (Crane inspection	IA report) of each permit) on/checklist performed by M		☐ Yes ☐ Yes ☐ Yes ☐ Yes (box McLean)	⊠ No ⊠ No y □ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents the lace Entry Permit A /Trenching/Scafforment or checklist	arge to arrive over weekend s Date? is date? (If Yes, attach copy of Administered This Date? (If Yes) ld/HV Elec/High Work/Hazm	HEALTH AND of completed OSE (es, attach copy of at Work Done? I) (Crane inspection	IA report) of each permit) on/checklist performed by M		Yes Yes Yes (b	⊠ No ⊠ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma	FOLLOW UP: ell 4. New sand bather the accidents the sace Entry Permit Addresses of the comment or checklist aterial/Waste Release	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH AND of completed OSI Yes, attach copy of at Work Done? I) (Crane inspecti	HA report) on/checklist performed by M ription of incident and propos	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents the acc Entry Permit A /Trenching/Scafforment or checklist aterial/Waste Release	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yes) hold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (In DAY (Include Observations of	HEALTH AND of completed OSE ves, attach copy of at Work Done? I) (Crane inspection of Yes, attach description of the complete	IA report) of each permit) on/checklist performed by M ription of incident and propos	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents the acc Entry Permit A /Trenching/Scafforment or checklist aterial/Waste Release	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If	HEALTH AND of completed OSE (es, attach copy of at Work Done? 1) (Crane inspectifyes, attach desc any Safety Violat passage between	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall.	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents the acc Entry Permit A /Trenching/Scafforment or checklist aterial/Waste Release	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yes) hold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (In DAY (Include Observations of	HEALTH AND of completed OSE (es, attach copy of at Work Done? 1) (Crane inspectifyes, attach desc any Safety Violat passage between	IA report) of each permit) on/checklist performed by M ription of incident and propos	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION	FOLLOW UP: ell 4. New sand bath Meeting Held This terime accidents the face Entry Permit A /Trenching/Scafforment or checklist atterial/Waste Release NS TAKEN TOD transiting bobcat	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yes) hold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (In DAY (Include Observations of	HEALTH AND of completed OSE (es, attach copy of at Work Done? 1) (Crane inspectifyes, attach desc any Safety Violat passage between	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall.	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents the acce Entry Permit A /Trenching/Scafforment or checklist atterial/Waste Release NS TAKEN TOD a transiting bobcat this week:	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yes) hold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (In DAY (Include Observations of	HEALTH AND of completed OSE Yes, attach copy of at Work Done? I) (Crane inspection of Yes, attach description any Safety Violation passage between FUTURE	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall.	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th sace Entry Permit A /Trenching/Scaffo ment or checklist aterial/Waste Relea NS TAKEN TOD a transiting bobcat this week: ag and collecting co	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yes) hold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yes) OAY (Include Observations of on sand barge through a tight	HEALTH AND of completed OSE Yes, attach copy of at Work Done? I) (Crane inspection of Yes, attach description any Safety Violation passage between FUTURE	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall.	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for N	Meeting Held This t-time accidents the face Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release Instruction of transiting bobcat his week: In and collecting collec	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If DAY (Include Observations of on sand barge through a tight confirmatory cores in SWMU 2	HEALTH AND of completed OSE Yes, attach copy of at Work Done? I) (Crane inspection of the complete of the comp	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall.	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for N	Meeting Held This t-time accidents the face Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release Instruction of transiting bobcat his week: In and collecting collec	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (In DAY (Include Observations of on sand barge through a tight confirmatory cores in SWMU 3 confirmatory cores in SWMU 3	HEALTH ANI of completed OSE (es, attach copy of at Work Done? I) (Crane inspection of Yes, attach description any Safety Violation passage between FUTURI	HA report) of each permit) on/checklist performed by M ription of incident and propos tions, Corrective Instructions sand pile and barge wall. E WORK	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for N Continue backfillin	Meeting Held This t-time accidents the face Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release Instruction of transiting bobcat his week: In and collecting collec	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yold/HV (Include Observations of on sand barge through a tight onfirmatory cores in SWMU 3 WASTE	HEALTH ANI of completed OSE (es, attach copy of at Work Done? I) (Crane inspection of Yes, attach description any Safety Violation passage between FUTURI	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall.	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for N	Meeting Held This t-time accidents the face Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release Instruction of transiting bobcat his week: In and collecting collec	arge to arrive over weekend s Date? his date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (In DAY (Include Observations of on sand barge through a tight confirmatory cores in SWMU 3 confirmatory cores in SWMU 3	HEALTH ANI of completed OSE (es, attach copy of at Work Done? I) (Crane inspection of Yes, attach description any Safety Violation passage between FUTURI	HA report) of each permit) on/checklist performed by M ription of incident and propos tions, Corrective Instructions sand pile and barge wall. E WORK	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for N Continue backfillin	Meeting Held This t-time accidents the face Entry Permit A / Trenching/Scafforment or checklist atterial/Waste Release Instruction of transiting bobcat his week: In and collecting collec	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yold/HV (Include Observations of on sand barge through a tight onfirmatory cores in SWMU 3 WASTE	HEALTH ANI of completed OSE (es, attach copy of at Work Done? I) (Crane inspection of Yes, attach description any Safety Violation passage between FUTURI	HA report) of each permit) on/checklist performed by M ription of incident and propos tions, Corrective Instructions sand pile and barge wall. E WORK	sed action)	☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	No No No No No No No No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety Mere there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for Mere Stockpile Area No of Containers:	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th hace Entry Permit A /Trenching/Scafforment or checklist aterial/Waste Relea NS TAKEN TOD a transiting bobcat his week: hig and collecting col	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If OAY (Include Observations of on sand barge through a tight confirmatory cores in SWMU 3 WASTE N/A	HEALTH AND of completed OSE (es, attach copy of at Work Done? 1) (Crane inspectify es, attach desc any Safety Violaty passage between FUTURE ACCUMULATION	HA report) of each permit) on/checklist performed by M ription of incident and propositions, Corrective Instructions sand pile and barge wall. E WORK	sed action) Given, and Corre	Yes Yes Yes (the McLean) Yes Yes Actions Taken)	⊠ No ⊠ No No Sy □ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for t Continue backfillin Accumulation / Stockpile Area No of	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th hace Entry Permit A /Trenching/Scafforment or checklist aterial/Waste Relea NS TAKEN TOD a transiting bobcat his week: hig and collecting col	arge to arrive over weekend s Date? is date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yold/HV (Include Observations of on sand barge through a tight confirmatory cores in SWMU 3 WASTE N/A No of Tank	HEALTH ANI of completed OSE es, attach copy of at Work Done? I) (Crane inspective estates of the estate estate) any Safety Violate passage between FUTURI ACCUMULATION 0	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall. E WORK ON/STOCKPILE AREA No of Roll-Off Boxes:	sed action) Given, and Corre	Yes Yes Yes (the McLean) Yes Yes Actions Taken)	⊠ No ⊠ No No Sy □ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for N Continue backfillin Planned Work for N Continue backfillin Accumulation / Stockpile Area No of Containers: Notes:	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th sace Entry Permit A /Trenching/Scaffo ment or checklist aterial/Waste Relea NS TAKEN TOD a transiting bobcat his week: ag and collecting con Next Week: ag and collecting con 0	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yold/HV (Include Observations of on sand barge through a tight onfirmatory cores in SWMU 3 WASTE N/A No of Tank TR.	HEALTH ANI of completed OSE es, attach copy of at Work Done? I) (Crane inspective estates of the estate estate) any Safety Violate passage between FUTURI ACCUMULATION 0	HA report) of each permit) on/checklist performed by M ription of incident and propositions, Corrective Instructions sand pile and barge wall. E WORK	sed action) Given, and Corre	Yes Yes Yes (the McLean) Yes Yes Actions Taken)	⊠ No ⊠ No No Sy □ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for t Continue backfillin Planned Work for N Continue backfillin Accumulation / Stockpile Area No of Containers: Notes:	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th sace Entry Permit A /Trenching/Scaffo ment or checklist aterial/Waste Relea NS TAKEN TOD a transiting bobcat his week: ag and collecting con Next Week: ag and collecting con 0	arge to arrive over weekend s Date? is date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yold/HV (Include Observations of on sand barge through a tight confirmatory cores in SWMU 3 WASTE N/A No of Tank	HEALTH ANI of completed OSE es, attach copy of at Work Done? I) (Crane inspective estates of the estate estate) any Safety Violate passage between FUTURI ACCUMULATION 0	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall. E WORK ON/STOCKPILE AREA No of Roll-Off Boxes:	sed action) Given, and Corre	Yes Yes Yes (the McLean) Yes Yes Actions Taken)	⊠ No ⊠ No No Sy □ No
DISCUSSION NO None ACTION ITEMS/ Continue backfill c Was A Job Safety N Were there any lost Was a Confined Sp Was Crane/Manlift (If Yes, attach state Was Hazardous Ma SAFETY ACTION Held conference on Planned Work for N Continue backfillin Planned Work for N Continue backfillin Accumulation / Stockpile Area No of Containers: Notes:	FOLLOW UP: ell 4. New sand ba Meeting Held This t-time accidents th sace Entry Permit A /Trenching/Scaffo ment or checklist aterial/Waste Relea NS TAKEN TOD a transiting bobcat his week: ag and collecting con Next Week: ag and collecting con 0	arge to arrive over weekend s Date? sis date? (If Yes, attach copy of Administered This Date? (If Yold/HV Elec/High Work/Hazm showing inspection performed ased into the Environment? (If Yold/HV (Include Observations of on sand barge through a tight onfirmatory cores in SWMU 3 WASTE N/A No of Tank TR.	HEALTH ANI of completed OSE es, attach copy of at Work Done? I) (Crane inspective estates of the estate estate) any Safety Violate passage between FUTURI ACCUMULATION 0	HA report) of each permit) on/checklist performed by Mription of incident and propositions, Corrective Instructions sand pile and barge wall. E WORK ON/STOCKPILE AREA No of Roll-Off Boxes:	sed action) Given, and Corre	Yes Yes Yes (the McLean) Yes Yes Actions Taken)	⊠ No ⊠ No No Sy □ No

List of Attachments: (examples, as applicable: submittals, meeting minu None	utes, safety meeting minutes, COCs, weight tickets, manife	ests, profiles, rework item list, etc.):
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report	PREPARER'S SIGNATURE	05/17/2013
	PREPARER'S SIGNATURE	DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/17/2013 REPORT NO: 51

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture #	Photo Description/Location	Date	Daily Log #
1	Core B039	5/17/13	1
2	Core B038	5/17/13	2
3	Core B037	5/17/13	3
4	Core B031	5/17/13	4
5	Core B030	5/17/13	5
6	Core B029	5/17/13	6



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/20/2013

REVISION NO: 0
REVISION DATE: N/A

REPORT NO: 51 PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3 PROJECT MANAGER: Brooke Harris Cell(s) Backfilled: #2 (complete) #3 (complete) #4 (incomplete) #5 (incomplete) #6 (incomplete) #7 (incomplete) #8 (incomplete) #9 (complete) #10 (complete) #11 (complete) #12 (complete) #13 (complete) #14 (complete) START TIME/ END TIME: ONSITE SUPPORT: Mark Ost 0630/1730 WIND DIRECTION: South @ 10-15 mph PM WEATHER: cloudy, ~72°F AM WEATHER: cloudy ~62°F WORK FORCE (includes subcontractors and visitors) Name/Company **Total Hours Today** Mark Ost/CH2M HILL - QA Manager 11 David Davis/McLean Contracting - QC Manager 11 Weldon Diggs/McLean Contracting - Site Superintendent 11 Henry Thrul Jr./McLean Contracting - Operator 11 Gerald Wilson/McClean Contracting - Deckhand 11 Patrick Brown/McLean Contracting - Deckhand 11 Tim Scott/McLean Contracting - Deckhand 11 SUMMARY OF WORK PERFORMED TODAY EQUIPMENT ON HAND Description of Equipment Make/Model/Manufacturer Equipment ID Number Calibration Performed By 127 ton crane with 7 cy clamshell dredge bucket, 9 cy environmental dredge bucket, and 4 cy re-handling bucket

FIELD OBSERVA	ATIONS:						
0630 -M.Ost, and M	McLean Contraction	ng dredge crew arrive a	t dock				
0630 – New sand b	arge at dock.						
		oart dock by workboat					
		oard dredge barge – get	ting started and setting	up.			
0710 – Crane used							
0745 – New sand b		gside with WB39					
0805 - Attach buck		6 11 114 1 11 119					
		of cell #4 and cell #3.					
1050 – Clam shell b							
1100 – Collect B02		or sand nd (corrected 14 June 2	012 M I Oat)				
1110 - Collect B02			.013 M. L. OSt)				
1113 – Collect B02 1130 – Repostion b		IU.					
1140 – Hook up cla							
1143 – Recommend		#3 and #4					
1215 – Secure back							
		nmental bucket on sand	barge				
		Environmental bucket					
1315 – Secure cran							
1330 – Resume cra	-						
1340 – Reposition s							
1600 – Complete co	ell #3						
1628 – Secure back	fill of cell #4.						
1640 – Collect B02	3, 18 inches of sar	nd.					
1646 – Collect B02							
1647 – Collect B02							
1648 – Place runne		ge					
1700 – Depart dred							
1705 – Arrive at do	ck						
DATA REVIEW:							
N/A CHANGED CON	DITIONS/DELA	Y/CONFLICTS ENC	OUNTERED:				
OIMI (OLD COI)	31110110722211	1,001/12101521/0	001(12102)				
DISCUSSION NO	TES:						
None							
ACTION ITEMS/							
Continue backfill	cell 4.		******	TO GA PETER PEROPE			
			HEALTH AN	D SAFETY REPORT		——————————————————————————————————————	
Was A Job Safety N						∑ Yes	☐ No
-		is date? (If Yes, attach				Yes	⊠ No
	-	Administered This Date	, , ,	of each permit)		Yes	⊠ No
		ld/HV Elec/High Work		tion/checklist performed by Mo	cLean)	Yes (by McLean)	y 🗌 No
				cription of incident and propos		Yes	⊠ No
77 do 11d2d1 do do 1710		sou mo me zavaomi	ent. (ii 1 es, utuuen ues	empiron of moraoni and propos	,ea action,	☐ 1 es	M N0
SAFETY ACTION	NS TAKEN TOD	AY (Include Observati	ons of any Safety Viola	ations, Corrective Instructions	Given, and Correct	ive Actions Taken):	
		(,	,		
None			***	W. W.O.D.V.			
			FUTUR	RE WORK			
Planned Work for t							
Continue backfillin	g and collecting co	onfirmatory cores in SV	VMU 3				
Planned Work for N	Vext Week:						
Continue backfillin	g and collecting co	onfirmatory cores in SV	VMU 3				
				TION/STOCKPILE AREA			
Accumulation /		N/A					
Stockpile Area							
No of	0	No of Tank	0	No of Roll-Off Boxes:	0	No. of Drums	0
Containers:							
Notes:							
			TRANSPORTATI	ON AND DISPOSAL			

Transportation and Disposal Activites/Summary Quantitites:		
None observed		
	ATTACHMENTS	
List of Attachments: (examples, as applicable: submittals, meeting minut	tes, safety meeting minutes, COCs, weight tickets, manifests	s, profiles, rework item list, etc.):
None		
On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report	Which of my	05/20/2013
	PREPARER'S SIGNATURE	DATE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/20/2013 REPORT NO: 51

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture #	Photo Description/Location	Date	Daily Log #
1	Core B025	5/20/13	1
2	Core B027	5/20/13	2
3	Core B028	5/20/13	3
4	Core B023	5/20/13	4
5	Core B024	5/20/13	5
6	Core B026	5/20/13	6



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/21/2013

	(ATTACII ADDITIONA	L SHELTS II NEC	ESSART)	REVISION DATE: N/A				
					REPORT NO: 52			
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU	J 3 and SWMU 7b / V	'irginia Beach, V	A				
PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3								
PROJECT MANAGER: Brooke Harris	Cell(s) Backfi	illed						
		#2 (complete) #3 (complete)						
		#4 (complete)						
		#5 (incomplete)						
		#6 (incomplete)						
		#7 (incomplete)						
		#8 (incomplete)					
		#9 (complete)						
		#10 (complete)						
		#11 (complete)						
		#12 (complete)						
		#13 (complete)						
OVERTICAL PROPERTY AND A CONTROL OF THE CONTROL OF		#14 (complete)	CT + DT	TD (E / E) TO TD (E	0.620/1520			
ONSITE SUPPORT: Mark Ost				TIME/ END TIME:	0630/ 1730			
AM WEATHER: cloudy ~62°F		ER: Partly cloudy, ~7		WIND DIRECTION:	South @ 10-15 mph			
	WO	RK FORCE (include	s subcontractor					
Name/Company				Total Hours T	Today			
Mark Ost/CH2M HILL – QA Manager		8						
David Davis/McLean Contracting – QC Ma		8						
Weldon Diggs/McLean Contracting – Site S		8						
Henry Thrul Jr./McLean Contracting – Oper		8						
Gerald Wilson/McClean Contracting – Deck	thand	8						
Patrick Brown/McLean Contracting - Deckl	nand	8	8					
Tim Scott/McLean Contracting – Deckhand	8							
	SI	UMMARY OF WO	K PERFORME	CD TODAY				
EQUIPMENT ON HAND								
Description of Equipment		Make/Model/Manufa	cturer E	quipment ID Number	Calibration Performed By			
127 ton crane with 7 cy clamshell dredge bu environmental dredge bucket, and 4 cy re-habucket	cket, 9 cy ndling							

							
FIELD OBSERVA							
		ng dredge crew arrive at pie					
		part dock by workboat WB-					
		oard dredge barge – getting	started and settir	ig up.			
0705 – Crane used		ooat.					
0739 - Attach clam		.h	4-				
		shell on deck cell #4 comple	ete.				
0930 – Reposition I		- C J					
0940 – Collect B02 0945 – Recommend		or sand.					
1127 – Clam shell b		aaara baalafill					
1150 – Hook up cla 1156 – Recommend		ie dackiiii.					
1215 – Secure back		n dack					
		nmental bucket on sand bars	ne.				
1307 - Recommend		innental oucket on sand our	30				
1337 – Secure back		it of sand					
		rge and place on dredge bar	ve.				
1356 – Place runne			5				
1420 – Depart dred							
1430 - Arrive at pi							
DATA REVIEW:							
N/A							
CHANGED CON	DITIONS/DELA	Y/CONFLICTS ENCOUN	NTERED:				
DISCUSSION NO	TES:						
None							
ACTION ITEMS/	FOLLOW UP:						
N/A			**************************************	ND GAPEEN DEDODE			
***		D : 0	HEALTH A	ND SAFETY REPORT			
Was A Job Safety N	-		6 1 16	OTT A		∑ Yes	□ No
-		is date? (If Yes, attach copy	-			Yes	⊠ No
_		Administered This Date? (I	-			Yes	⊠ No
		old/HV Elec/High Work/Haz		? ection/checklist performed by M	IcLean)	Yes (b McLean)	y 🗌 No
				escription of incident and propo		Yes	⊠ No
vvus Trazardous ivie	iterial, waste recie	ased into the Environment.	(ii i co, attacii a	escription of incident and propo	sea action)	☐ i es	⊠ N0
SAFETY ACTION	NS TAKEN TOD	AY (Include Observations o	of any Safety Vio	plations, Corrective Instructions	Given and Corre	ctive Actions Taken)	
	10 1111111 1 1 0 2	112 (menua coservanons	or any surety via	autono, corrective monuterions	orven, and corre	erre racrons runen)	
None							
			FUTU	RE WORK			
Planned Work for t	his week:						
Continue backfillin	g and collecting co	onfirmatory cores in SWMU	J 3				
Planned Work for N	Next Week:						
Continue backfillin	g and collecting co	onfirmatory cores in SWMU	13				
	g and concerning of			TION/STOCKPILE AREA			
		1	E ACCUMULA	TIONSTOCKILE AREA			
Accumulation / Stockpile Area		N/A					
		N. CT. I		N. CD HOCCD		Ly CD	
No of Containers:	0	No of Tank	0	No of Roll-Off Boxes:	0	No. of Drums	0
		l .			1	1	
Notes:							
			RANSPORTAT	TION AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTA	CHMENTS			
List of Attachments	s: (examples as a	applicable: submittals meeti		ety meeting minutes, COCs, we	ight tickets manif	ests profiles rework	item list, etc.):
None		Tr, moon	, sur	,		, p, reorn	
TAOHC							

On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report

Thuk of M

05/21/2013 DATE

PREPARER'S SIGNATURE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/21/2013 REPORT NO: 52

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture #	Photo Description/Location	Date	Daily Log #
1	Core B022	5/21/13	1



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/22/2013

REVISION NO: 0
REVISION DATE: N/A
REPORT NO: 54

						KEPUK	11 NO. 34	
PROJECT NAME / LOCATION: JEB Litt	le Creek SWMU 3	and	SWMU 7b / Virginia	Beach, V.	A			
PROJECT NUMBER: 457901.CE.GN	PROJECT DESC	RIP	TION: Backfilling	SWMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) Backfille	ł						
			2 (complete)					
			3 (complete)					
			4 (complete)					
			(incomplete)					
			6 (incomplete)					
			7 (incomplete)					
			8 (incomplete)					
		#9	(complete)					
			10 (complete)					
			11 (complete)					
		#1	12 (complete)					
		#1	13 (complete)					
		#1	14 (complete)					
ONSITE SUPPORT: Mark Ost				START	TIME/ END TIME:		0630/ 1720	
AM WEATHER: Partly cloudy ~72°F	PM WEATHER:	Par	tly cloudy, ~75°F		WIND DIRECTION:	South @) 15-20 mph	
WORK FORCE (includes subcontractors and visitors)								
Name/Company					Total Hours T	'oday		
Mark Ost/CH2M HILL – QA Manager			11					
David Davis/McLean Contracting – QC Mar	nager		11					
Weldon Diggs/McLean Contracting – Site S	uperintendent		11					
Henry Thrul Jr./McLean Contracting – Oper	rator		11					
Gerald Wilson/McClean Contracting – Deck	chand		11					
Patrick Brown/McLean Contracting – Deckl	nand		11					
Tim Scott/McLean Contracting – Deckhand			11					
		MA	RY OF WORK PE	RFORME	D TODAY			
EQUIPMENT ON HAND								
Description of Equipment	Ma	ke/N	Model/Manufacturer	E	quipment ID Number		Calibration Performed By	
127 ton crane with 7 cy clamshell dredge bu	cket, 9 cv				1 1		,	
environmental dredge bucket, and 4 cy re-ha								
bucket								
FIELD OBSERVATIONS: 0630 –M.Ost, and McLean Contracting dred	lao orom orrivo et n	or (Old sand barga gana					
0701 – McLean crew, M. Ost and depart doc	-							
0702 –M. Ost and McLean crew onboard dro								
0805 - Collect B019, 13 inches of sand.								
0918– Collect B020, 24 plus inches of sand								
	1506 – New sand barge arrives via the Hoss tug boat.							
1514 – Rig clam shell to crane commence ba	ackfill cells #5 and	#6						
1650 – Secure backfill cells #5 and #6. 1655 – Rig runner boat to deck of barge.								
1000 - Kig runner boat to deck of balge.								

DATA REVIEW:

N/A

CHANGED CONDITIONS/DELAY/CONFLICTS ENCOUNTERED:

1715 – Left barge aboard WB39 with M. Ost and McLean crew aboard bound for pier.

N/A

DISCUSSION NOTES:

1720 – Arrive pier end of day.

None

ACTION ITEMS	/FOLLOW UP:						
Continue backfill c	ells 5,6, 7, 8. Repo	osition barge to finish cells.					
			HEALTH ANI	SAFETY REPORT			
Was A Job Safety	~					⊠ Yes	☐ No
-		is date? (If Yes, attach copy		* /		Yes	⊠ No
	•	Administered This Date? (If		of each permit)		☐ Yes	⊠ No
		ld/HV Elec/High Work/Hazr		/ 1 1 1 1 C 11 NO	T X	Yes (b)	y 🗌 No
				on/checklist performed by Moription of incident and propos		McLean)	
was Hazardous Ma	ateriai/ waste Refe	ased into the Environment? (ii Yes, attach desc	ription of incident and propos	ed action)	☐ Yes	⊠ No
SAFETY ACTIO	NS TAKEN TOD	AY (Include Observations of	f any Safety Viola	tions, Corrective Instructions	Given, and Correct	ive Actions Taken):	
None							
			FUTURI	E WORK			
Planned Work for t	this week:						
Continue backfillin	ng and collecting c	onfirmatory cores in SWMU	3				
Planned Work for I	Next Week:						
Continue backfillin	ng and collecting co	onfirmatory cores in SWMU	3				
		WASTE	E ACCUMULAT	ION/STOCKPILE AREA			
Accumulation / Stockpile Area		N/A					
No of Containers:	0	No of Tank	0	No of Roll-Off Boxes:	0	No. of Drums	0
Notes:							
		TF	RANSPORTATIO	ON AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites:					
None observed							
			ATTACI	HMENTS			
List of Attachment	s: (examples, as a	applicable: submittals, meetir	ng minutes, safety	meeting minutes, COCs, weig	ght tickets, manifes	sts, profiles, rework	item list, etc.):
None							
material used and v in compliance with	ort is complete and work performed du the contract draw	at to the best of my correct and equipment and iring this reporting period is ings and specifications	Ş	Much of 1	7	0.5	/22/2013
except as noted in t	ınıs report			PREPARER'S SIGNATURE			DATE
				I KEI AKEK B BIONATUKE			DILLE



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/22/2013 REPORT NO: 54

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA

PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture #	Photo Description/Location	Date	Daily Log #
1	Core B019	5/22/13	1
2	Core B020	5/22/13	2
		0,120,00	_
			ļ
			ļ
			ļ
			ļ
			ļ
			ļ



(ATTACH ADDITIONAL SHEETS IF NECESSARY)

REPORT DATE: 05/23/2013

					REVISION DATE: N/A	1	
		REPORT NO: 55 reek SWMU 3 and SWMU 7b / Virginia Beach, VA					
	1						
PROJECT NUMBER: 457901.CE.GN		CRIPTION: Backfilling	SWMU 3				
PROJECT MANAGER: Brooke Harris	Cell(s) Backfilled						
		#2 (complete) #3 (complete)					
		#4 (complete)					
		#5 (complete)					
		#6 (complete)					
		#7 (complete)					
		#8 (complete)					
		#9 (complete)					
		#10 (complete)					
		#11 (complete)					
		#12 (complete)					
		#13 (complete)					
		#14 (complete)					
	All cells at SWM	IU 3 are completed					
ONSITE SUPPORT: Mark Ost			START T	TIME/ END TIME:	0630/ 1720		
AM WEATHER: Cloudy Rain ~69°F	PM WEATHER: Cloudy Rain, ~75°F WIND DIRECTION: South @ 15-20 mph						
	WORK	FORCE (includes sub	contractors	and visitors)			
Name/Company				Total Hours	Today		
Mark Ost/CH2M HILL – QA Manager		11					
David Davis/McLean Contracting - QC Ma	nager	11					
Weldon Diggs/McLean Contracting – Site S	Superintendent	11					
Henry Thrul Jr./McLean Contracting - Ope	rator	11					
Gerald Wilson/McClean Contracting – Dec	khand	11					
Patrick Brown/McLean Contracting – Deck	hand	11					
Tim Scott/McLean Contracting – Deckhand		11					
	SUM	MARY OF WORK PE	RFORMEI	O TODAY			
EQUIPMENT ON HAND							
Description of Equipment	Ma	ke/Model/Manufacturer	Equ	uipment ID Number	Calibration P	Performed By	
127 ton crane with 7 cy clamshell dredge be environmental dredge bucket, and 4 cy re-hbucket	andling						

FIELD OBSERVA	ATIONS:						
0630 -M.Ost, and I	McLean Contractin	ng dredge crew arrive a	at pier.				
0649 – McLean crew, M. Ost and depart dock by workboat WB-39 (tending vessel) 0700 –M. Ost and McLean crew onboard dredge barge. Place runner boat in water.							
0700 -M. Ost and I	McLean crew onbo	oard dredge barge. Plac	ce runner boat in water				
0701 – Commence	backfill cells #5 ar	nd #6					
0827 – Secure back	fill.						
0830 – Reposition	barge						
0835 – Recommend	ce backfill of cells	#5 and #6					
0945- Secure back	fill to reposition ba	arge					
1020 – Recommend	ce backfill						
1105 – Complete b	ackfill of cell #6						
1300 – Secure back	fill of cell #5						
1305 - Collect B01	7, 26 inches plus of	of sand.					
1310 - Collect B01	8, 18 inches plus of	of sand					
1315 - Collect B02	1, 27 plus inches	of sand: Note: core is 1	mislabeled B022, actu	ally B021			
1320 - Collect B01	5, 30 plus inches of	of sand.					
1322 - Collect B01	6, 16 inches plus of	of sand.					
1330 - Collect B04	7, 25 plus inches o	of sand.					
1345 – Commence	backfill. Complete	e cells #8 and #5					
1445 – Complete co	ell #7. All cells co	mpleted at SWMU 3					
1446 - Collected B	013, 18 plus inche	es and B014, 11 plus in	ches of sand (corrected	l 14 June 2013 M. L. Ost)			
1520 – Rig runner l	boat on deck						
1530 – Move dredg	ge barge with WB3	39 to pier.					
1615 – Depart job s	site						
DATA REVIEW:							
N/A							
CHANGED CON	DITIONS/DELA	Y/CONFLICTS ENC	OUNTERED:				
DISCUSSION NO None	TES:						
ACTION ITEMS/	FOLLOW UP:						
		ed by MV Hoss to Mc	Lean Vard today				
5 WWO Complete.	Darge will be mov	red by MIV 11088 to Mic		D SAFETY REPORT			
Was A Job Safety N	Maating Hald This	Data?	HEALTH AI	D SAFETT KEI OKT		⊠ Yes	□ No
•	-	is date? (If Yes, attach		YII A			<u> </u>
		Administered This Date				☐ Yes	⊠ No
-	•	ld/HV Elec/High Work		of each permit)		Yes	⊠ No
				tion/checklist performed by M	IcLean)	Yes (b	y 🗌 No
· ·				scription of incident and propo		McLean)	⊠ N-
was Hazardous wie	iteriali Waste Refet	ised into the Environm	ient: (11 1 es, attaen de.	scription of incident and propo	sed detion)	☐ Yes	⊠ No
SAFETY ACTION	NS TAKEN TOD	AY (Include Observati	ions of any Safety Viol	ations, Corrective Instructions	Given, and Correc	tive Actions Taken):	
None							
			FUTUI	RE WORK			
Planned Work for t	his week:						
Complete							
•	Y . XXX 1						
Planned Work for N	Next Week:						
Complete							
		ı	ASTE ACCUMULA	TION/STOCKPILE AREA			
Accumulation / Stockpile Area		N/A					
No of	0	No of Tank	0	No of Roll-Off Boxes:	0	No. of Drums	0
Containers:							
Notes:							
			TRANSPORTATI	ON AND DISPOSAL			
Transportation and	Disposal Activites	s/Summary Quantitites	:	<u> </u>			
None observed		-					
			A TT A A	TUMENTS			
				CHMENTS			
List of Attachments	s: (examples, as a	pplicable: submittals, i	meeting minutes, safet	y meeting minutes, COCs, we	ight tickets, manife	ests, profiles, rework	item list, etc.):

Cross reference of sample numbers to cell numbers and locations in state plane coordinate system.

On behalf of CH2M HILL, I attest that to the best of my knowledge the report is complete and correct and equipment and material used and work performed during this reporting period is in compliance with the contract drawings and specifications except as noted in this report

Which of my

05/23/2013

DATE



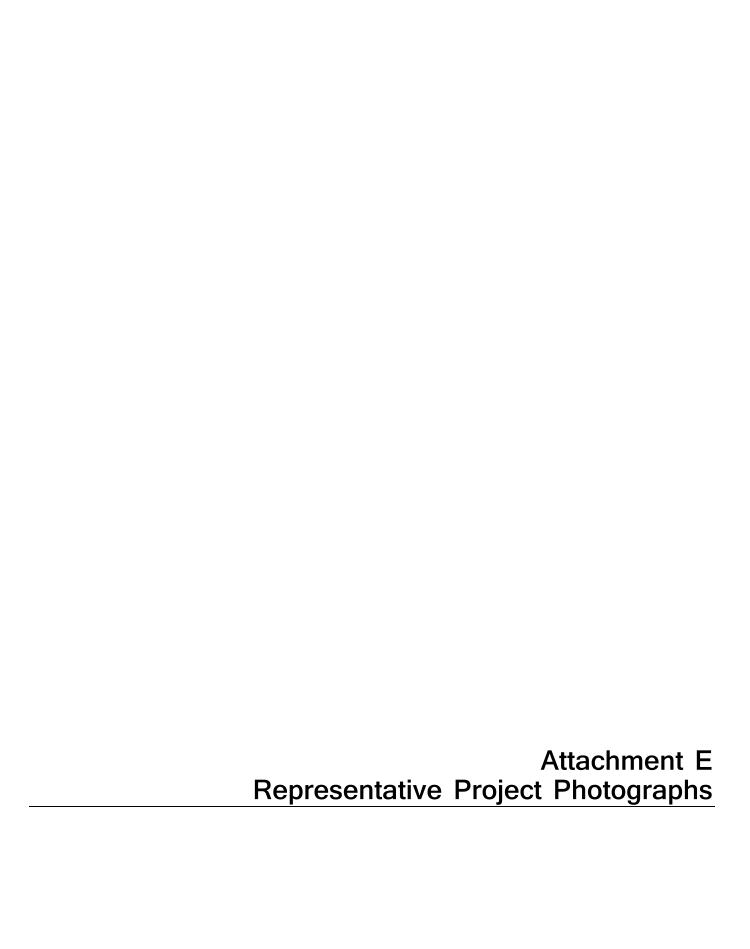
(ATTACH ADDITIONAL SHEETS IF NECESSARY)

LOG DATE: 05/23/2013 REPORT NO: 55

PROJECT NAME / LOCATION: JEB Little Creek SWMU 3 and SWMU 7b / Virginia Beach, VA
PROJECT NUMBER: 457901.CE.GN PROJECT DESCRIPTION: Backfilling SWMU 3

PROJECT MANAGER: Brooke Harris ONSITE SUPPORT: Mark Ost

Picture #	Photo Description/Location	Date	Daily Log #
1	Core B017	5/23/13	1
2	Core B018	5/23/13	2
3	Core B021 Note photo is mislabeled B022. It is actually B021	5/23/13	3
4	Core B015	5/23/13	4
5	Core B016	5/23/13	5
6	Core B047	5/23/13	6
7	Core B013	5/23/13	7
8	Core B014	5/23/13	8



ATTACHMENT E

Representative Project Photographs



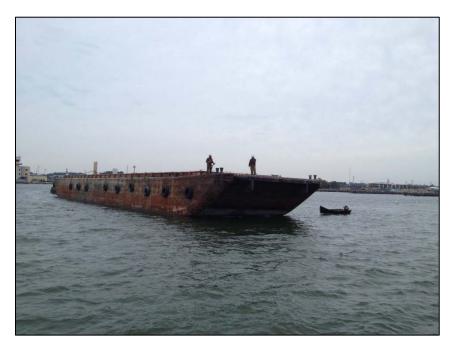
Photograph 1_SWMU 3: Cell #7_Dredging near marina docks showing turbidity plume from soft sediments_02.21.13



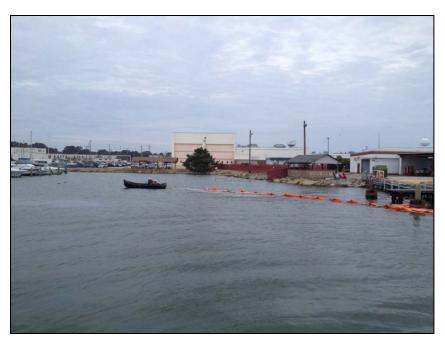
Photograph 2_SWMU 3: Cell #7_Close-up of operator's console in crane _02.21.13



Photograph 3_SWMU 3; Cell #7_Sheen observed during dredging (contained within oil boom and turbidity curtain)_02.21.13



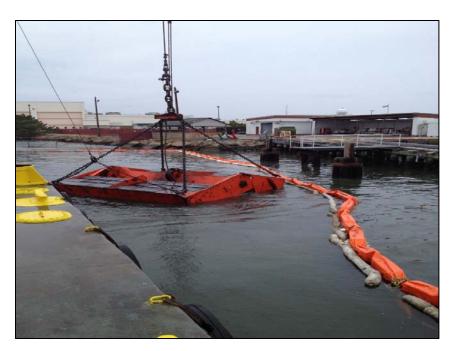
Photograph 4_SWMU 3; Cell #7_Landing Scow SC-136 to dredge barge _02.26.13



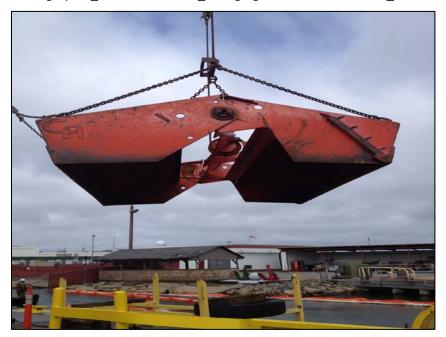
Photograph 5_SWMU 3; Cell #7_Runner boat stretching out turbidity curtain and oil boom near marina dry dock area_02.26.13



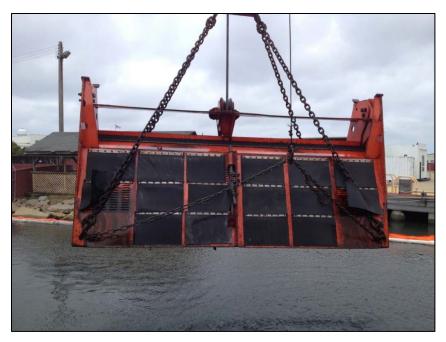
Photograph 6_SWMU 3; Cell #7_Turbidity curtain and oil boom deployed by docks_02.26.13



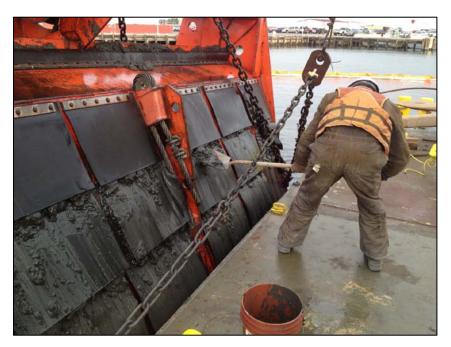
Photograph 7_SWMU 3; Cell #7_Dredging in near marina docks_02.26.13



Photograph 8_Close-up of open environmental dredge bucket_02.27.13



Photograph 9_Close-up of closed environmental dredge bucket with decanting flaps_02.27.13



Photograph 10_SWMU 3_D. Davis collecting waste characterization sample from dredge bucket_03.01.13



Photograph 11_SWMU 3; Cell #11_Sediment leaching sheen while being $dredged_03.01.13$



Photograph 12_SWMU 3; Cell #8_Dedging _03.05.13



Photograph 13_SWMU 3; Cell #8_Dredge bucket placing material in Scow SC-136_03.05.13



Photograph 14_Soft muck/mud dredged material in scow SC-141_03.11.13



Photograph 15_SWMU 3; Cell #3_Dredging with clamshell bucket _03.12.13



Photograph 16_SWMU 3; Cell #4_Dredging with clamshell bucket (debris from marina docks)_03.19.13



Photograph 17_SWMU 3; Cell #4_Close-up of material in clamshell bucket_03.19.13



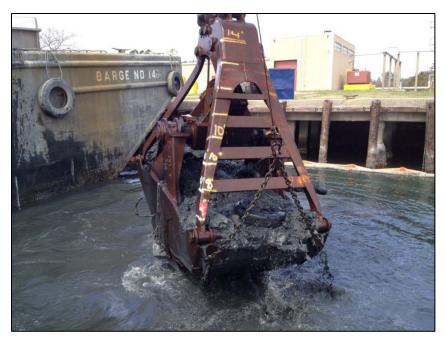
Photograph 18_SWMU 3; Cell #4_Close-up of material in clamshell bucket_03.19.13



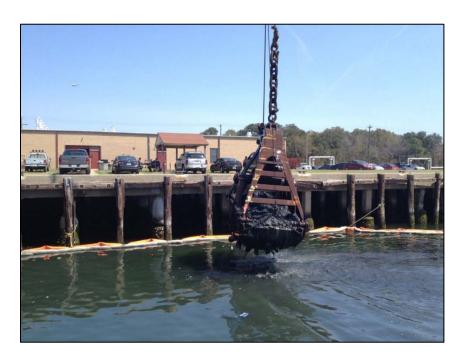
Photograph 19_SWMU 3; Cell #2_Clamshell bucket placing dredged sediment in Scow SC-135_03.20.13



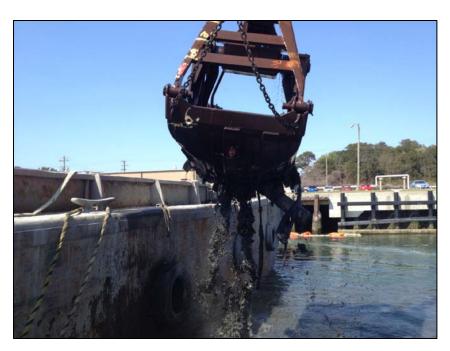
Photograph 20_SWMU 7b; Cell #20_Close-up of material in clamshell bucket_03.28.13



Photograph 21_SWMU 7b; Cell #17_Dredging with clamshell bucket (debris in dredge bucket)_04.04.13



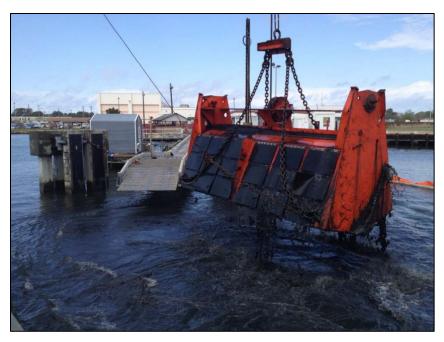
Photograph 22_SWMU 7b; Cell #17_Dredging with clamshell bucket in close proximity to bulkhead of dock_04.09.13



Photograph 23_SWMU 7b; Cell #18_Dredging with clamshell bucket (debris in dredge bucket)_04.09.13



Photograph 24_SWMU 3_Workboat WB-39 moving Scow SC-142 to SWMU 3_04.11.13



Photograph 25_SWMU 3; Cell #8_Re-dredgining with environmental bucket in close proximity to dry dock pier_04.12.13



Photograph 26_SWMU 3; Cell #13_Dredged sediment in Scow SC-136 _04.16.13



Photograph 27_Full sand scow VMC 207 alongside dredge barge_4.24.13



Photograph 28_SWMU 7b; Cell #17_Backfilling with clamshell bucket in close proximity to bulkhead of dock_04.24.13



Photograph 29_SWMU 7b; Cell #17_Backfilling with clamshell bucket in close proximity to bulkhead of dock_04.26.13



Photograph 30_Bobcat moving and piling up sand in scow VMC 207 to ensure all material gets offloaded by clamshell bucket_04.26.13



Photograph 31_SWMU 7b; Cell #19_Clamshell bucket picking up backfill sand out of scow VMC 209_04.26.13



Photograph 32_SWMU 7b; Cell #19_Backfilling with clamshell bucket _04.26.13



Photograph 33_SWMU 7b; Cell #18_D. Davis collecting confirmatory core with PVC coring device in runner-boat_04.30.13



Photograph 34_SWMU 7b; Cell #18_D. Davis collecting confirmatory core with PVC coring device in runner-boat_04.30.13



Photograph 35_SWMU 7b; Cell #18_D. Davis collecting confirmatory core with PVC coring device from in runner-boat_04.30.13



Photograph 36_SWMU 7b_Primary Grid 17_Sand Core DC01_27 inches_4.30.13



Photograph 37_SWMU 7b_Primary Grid 17_Sand Core DC02_30 inches_4.30.13



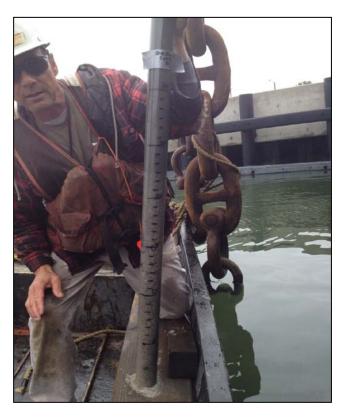
Photograph 38_SWMU 7b_ Primary Grid 17_Sand Core DC03_17 inches_5.01.13



Photograph 39_SWMU 7b_ Primary Grid 17_Sand Core DC04_17 inches_5.01.13



Photograph 40_SWMU 7b_ Primary Grid 18_Sand Core DC05_24 inches_4.30.13



Photograph 41_SWMU 7b_ Primary Grid 18_Sand Core DC06_27 inches_5.01.13



Photograph 42_SWMU 7b_ Primary Grid 18_Sand Core DC07_15 inches_5.01.13



Photograph 43_SWMU 7b_ Primary Grid 18_Sand Core DC08_26 inches_5.01.13



Photograph 44_SWMU 7b_ Primary Grid 19_Sand Core DC09_20 inches_5.01.13



Photograph 45_SWMU 7b_ Primary Grid 19_Sand Core DC10_18 inches_5.01.13



Photograph 46_SWMU 7b_ Primary Grid 19_Sand Core DC11_18 inches_5.01.13



Photograph 47_SWMU 7b_ Primary Grid 19_Sand Core DC12_18 inches_5.01.13



Photograph 48_SWMU 7b_ Primary Grid 20_Sand Core DC13_16 inches_5.01.13



Photograph 49_SWMU 7b_ Primary Grid 20_Sand Core DC14_16 inches_5.01.13



Photograph 50_SWMU 7b_ Primary Grid 20_Sand Core DC15_17 inches_5.01.13



Photograph 51_SWMU 7b_ Primary Grid 20_Sand Core DC16_18 inches_5.01.13



Photograph 52_SWMU 3_Primary Grid 16_Sand Core SB01_20 inches _5.08.13



Photograph 53_SWMU 3_Primary Grid 16_Sand Core SB02_18 inches _5.08.13



Photograph 54_SWMU 3_Primary Grid 16_Sand Core SB03_12 inches _5.08.13



Photograph 55_SWMU 3_Primary Grid 16_Sand Core SB04_17 inches _5.08.13



Photograph 56_SWMU 3_Primary Grid 15_Sand Core SB05_22 inches _5.09.13



Photograph 57_SWMU 3_Primary Grid 15_Sand Core SB06_22 inches _5.09.13



Photograph 58_SWMU 3_Primary Grid 15_Sand Core SB07_16 inches_5.09.13



Photograph 59_SWMU 3_Primary Grid 15_Sand Core SB08_18 inches _5.09.13



Photograph 60_SWMU 3_Primary Grid 10_Sand Core SB09_26 inches _5.10.13



Photograph 61_SWMU 3_Primary Grid 10_SB10_31 inches_5.10.13



Photograph 62_SWMU 3_Primary Grid 10_SB11_25 inches_5.10.13



Photograph 63_SWMU 3_Primary Grid 10_SB12_31 inches_5.10.13



Photograph 64_SWMU 3_Primary Grid 7_SB13_11 inches_5.23.13



Photograph 65_SWMU 3_Primary Grid 7_SB14_15 inches_5.23.13



Photograph 66_SWMU 3_Primary Grid 7_SB15_12 inches_5.23.13



Photograph 67_SWMU 3_Primary Grid 7_SB16_12 inches_5.23.13



Photograph 68_SWMU 3_Primary Grid 5_SB17_12 inches_5.23.13



Photograph 69_SWMU 3_Primary Grid 5_SB18_12 inches_5.23.13



Photograph 70_SWMU 3_Primary Grid 5_SB19_12 inches_5.22.13



Photograph 71_SWMU 3_Primary Grid 5_SB20_12 inches_5.22.13



Photograph 72_SWMU 3_Primary Grid 6_SB21 (labeled incorrectly) _12 inches_5.23.13



Photograph 73_SWMU 3_Primary Grid 6_SB22_12 inches_5.21.13



Photograph 74_SWMU 3_Primary Grid 3_SB23_12 inches_5.20.13



Photograph 75_SWMU 3_Primary Grid 3_SB24_12 inches_5.20.13



Photograph 76_SWMU 3_Primary Grid 3_SB25_12 inches_5.20.13



Photograph 77_SWMU 3_Primary Grid 4_SB26_12 inches_5.20.13



Photograph 78_SWMU 3_Primary Grid 4_SB27_27 inches_5.20.13



Photograph 79_SWMU 3_Primary Grid 4_SB28_12 inches_5.20.13



Photograph 80_SWMU 3_Primary Grid 2_SB29_12 inches_5.17.13



Photograph 81_SWMU 3_Primary Grid 2_SB30_12 inches_5.17.13



Photograph 82_SWMU 3_Primary Grid 2_SB31_12 inches_5.17.13



Photograph 83_SWMU 3_Primary Grid 10_SB33_ 12 inches_5.13.13



Photograph 84_SWMU 3_Primary Grid 13_SB34_ 12 inches_5.13.13



Photograph 85_SWMU 3_Primary Grid 13_SB35_12 inches_5.14.13



Photograph 86_ SWMU 3_Primary Grid 13_SB36_12 inches_5.14.13



Photograph 87_SWMU 3_Primary Grid 14_SB37_8 inches_5.17.13



Photograph 88_SWMU 3_Primary Grid 14_SB38_12 inches_5.17.13



Photograph 89_SWMU 3_Primary Grid 12_SB39_12 inches_5.17.13



Photograph 90_SWMU 3_Primary Grid 11_SB40_12 inches_5.15.13



Photograph 91_SWMU 3_Primary Grid 11_SB41_12 inches_5.15.13



Photograph 92_SWMU 3_Primary Grid 11_SB42_12 inches_5.16.13



Photograph 93_SWMU 3_Primary Grid 11_SB43_12 inches_5.15.13



Photograph 94_SWMU 3_Primary Grid 9_SB44_12 inches_5.15.13



Photograph 95_SWMU 3_Primary Grid 9_SB45_12 inches_5.16.13



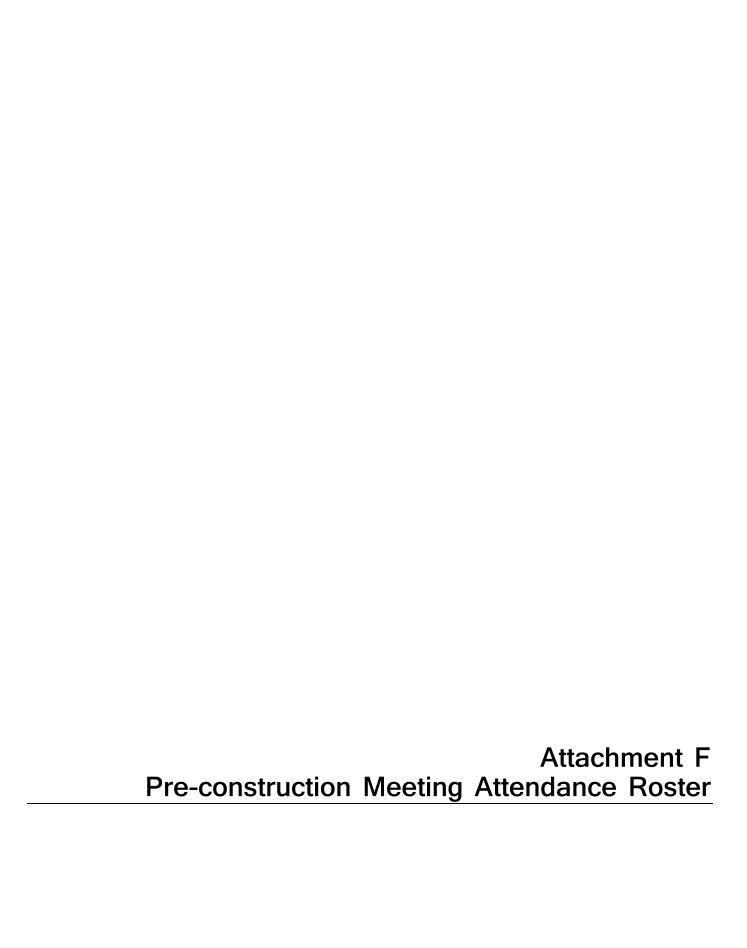
Photograph 96_SWMU 3_Primary Grid 8_SB46_12 inches_5.16.13



Photograph 97_SWMU 3_Primary Grid 8_SB47_12 inches_5.23.13



Photograph 98_SWMU 3_Primary Grid 8_SB48_12 inches_5.16.13







1450 Gator Blvd Bldg 3165, Suite 150 Virginia Beach, VA 23459-3023

08/08

Pre-Construction Conference

DATE:

09/11/2012

SUBJECT:

FY 12 Maintenance Dredging Teen Piers, JEBLCFS, LC Site

LIST OF THOSE PRESENT:

AFFILIATION	PHONE NUMBER	EMAIL
NAVFAC	(757) 462-1019	peter.fovargue@navy.mil
CHZM HILL	(757)671-6266	cecilia.landin@chem.com
McLean Cost.	757 620 0671	dmiller a mclean cont. con
Mclean Cont.	757 620-2725	ddavis@mcleancon+xom
Mclean Cont.	410-490-2986	RDONE @ Melzan cont. Com
McL	757-620-0954	kchristiansen e Meleancont.
Hclean Cont.	757-543-1676	jeanes@mcleancont.com
Environmental	757-462-7361	homer clark @ Navy mi)
FEAD	757-462-1022	william Shirk @ navy. mi. 1
SECULITY	757-462-1802	luis. A. CRUZE wary. mel
	Maverac CHZM Hill McLean Cont. Mclean Cont. McLean Cont. McLean Cont. Environmental FEAD	NAVEAC (757) 462-1019 CHZM Hill (157) 611-6266 McLean Cont. 757 620 0671 Mclean Cont. 757 620-2725 Mclean Cont. 410-490-2986 McL 757-620-095-4 Hclean Cont. 757-543-1676 Environmental 757-462-7361 FEAD 757-462-1022

LIST OF THOSE PRESENT (con't.)

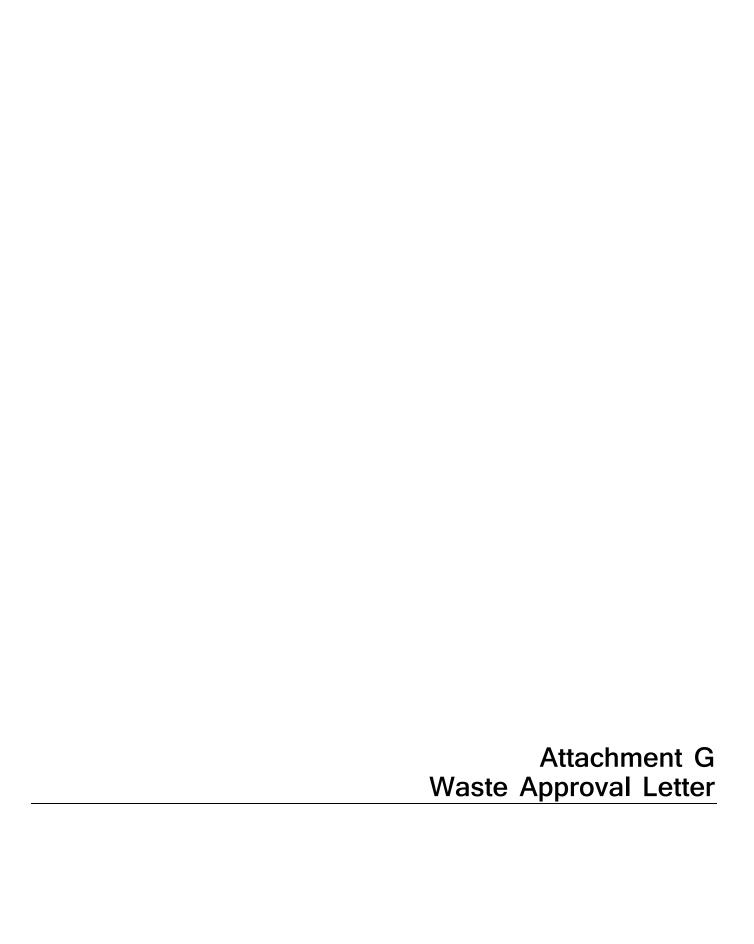




1450 Gator Blvd Bldg 3165, Suite 150 Virginia Beach, VA 23459-3023

08/08

NAME (Please Print)	AFFILIATION	PHONE NUMBER	EMAIL
LIM GEORGO	NAVACIME HYDRO	757-444-0830 Cell 581-3363	JAMES, GEORGO E NAW, MIL
Tommy Burritt	MAUFAR MiDLAZT-HYDRO	444-0857	Tommy. Burgitt @ NAVY MiL
James Bootick	JEBLEFS PORT OF	3 462-3757	JAMES C. BESTICK B. NAUY MI)
SOTT GRAVES	PARADISE POINT MARIS	NE 757 286 8668	Sgraves @ paraelisepo.ntmarhe.com
STEVE LANTE	NAVEAC FEAD LITTLE CALE	n 482-1014	STEVEN. M. LANTI @ NAVY. MIL
Bryan Peed	NAVFAC Environm	iontal 341-0480	bryan, peed@navy, mil
Van Williams	FEADLU	544 4796 cell	bryan. peed@navy. mil Jomes.v. williams@navy. mil





COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Doug Domenech Secretary of Natural Resources PIEDMONT REGIONAL OFFICE 4949-A Cox Road, Glen Allen, Virginia 23060 (804) 527-5020 Fax (804) 527-5106 www.deq.virginia.gov

David K. Paylor Director

Michael P. Murphy Regional Director

February 15, 2013

Valerie Lynn David Waste Approvals Manager Waste Management 846 Julia Street Elizabeth, New Jersey 07201

Re: Petroleum Contaminated Dredge Sediment

Special Waste Disposal Request

Charles City County Sanitary Landfill, SWP 531

Dear Ms. David:

Thank you for your special waste disposal request (SWDR) received by the Virginia Department of Environmental Quality Piedmont Regional Office (PRO) on January 24, 2013, which requested a reduced sampling frequency of a non-hazardous petroleum contaminated dredge sediment generated at the Little Creek Harbor and Desert Cover in Norfolk, Virginia. The non-hazardous dredge sediment will be transported to Shirley Plantation via barge and amended with lime or Portland cement to meet the paint filter requirement, and then transported via truck to the Charles City County Landfill, SWP 531, for disposal. The volume of dredge sediment is estimated at 16,152 cubic yards. The sampling frequency of the dredge sediment is as follows:

• TPH and Paint filter conducted at a frequency of 1 per 2,000 cubic yards (or 1 per barge load).

As part of the submitted information, PRO was supplied with completed Special Waste Request Forms Part I and II, a Waste Management Generator's Non-Hazardous Waste Profile Sheet, analytical reports, and sampling schematics. The waste section of the PRO has completed its review of the Special Waste Disposal Request (SWDR) and supporting information.

Based upon information submitted, it appears that the proposed waste is not a listed or regulated hazardous waste, is not a regulated medical waste, is not expected to possess any hazardous waste characteristics, and the disposal of the proposed material within the permitted landfill is not expected to create any extraordinary impacts to human health or the environment. Therefore, the special waste described on Forms Part I and II may be disposed at the Charles

Ms. Valerie Lynn David Petroleum Contaminated Dredge Sediment Special Waste Disposal Request Charles City County Sanitary Landfill, SWP 531 February 15, 2013 Page 2 of 2

City County Sanitary Landfill, SWP 531. Please note this material is for disposal only and is not approved for use under the facility's contaminated soil/dredge sediment alternate daily cover beneficial use demonstration.

Please note that all disposal activities must be performed in accordance with applicable sections of the Virginia Solid Waste Management Regulations and the facility's permit. Also, note that the operator of this facility has a continuing responsibility to ensure that prohibited wastes are not being disposed in the facility. Thus, should the characteristics of this waste stream substantially change, or should subsequent analytical data or observations indicate any change, it will be necessary to re-characterize the waste and resubmit the Special Waste Request Forms for DEQ review and approval.

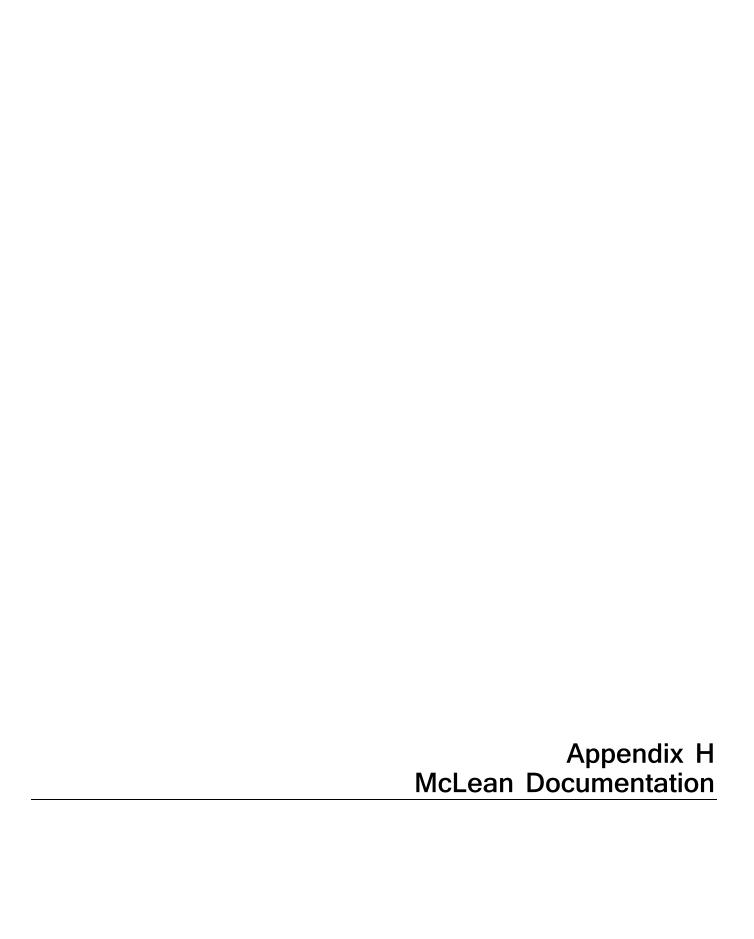
Should you require additional information or assistance, please contact me at (804) 527-5028.

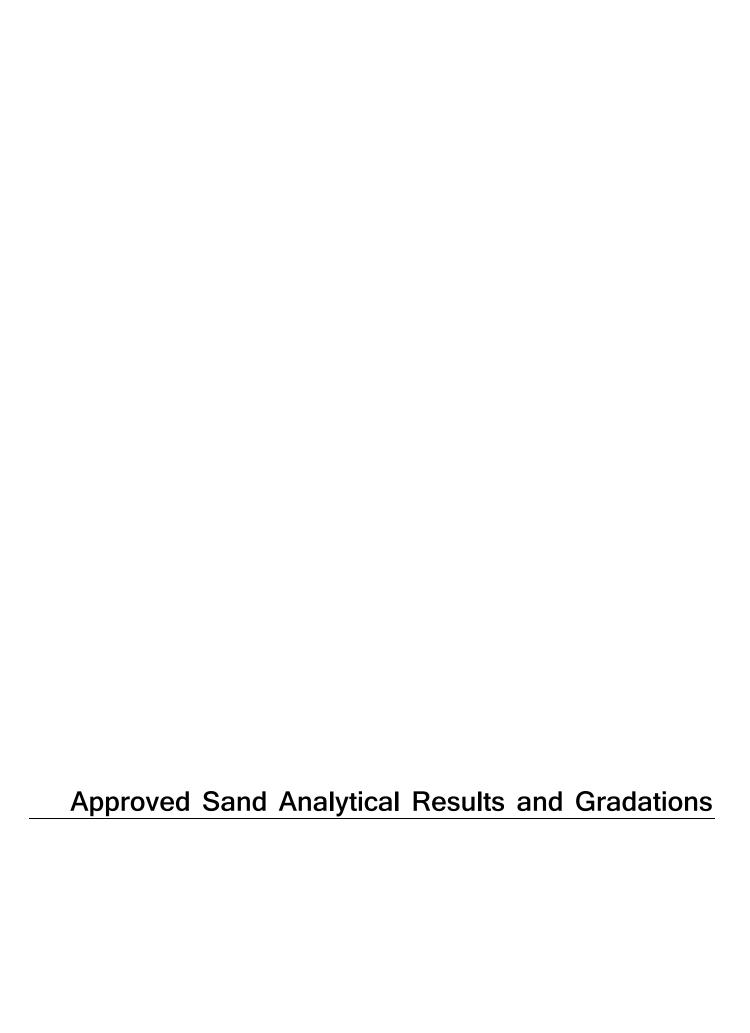
Sincerely,

Jason A. Miller

Land Protection and Revitalization Program Manager

AMM







Detail Gradation Statistical Summary Report

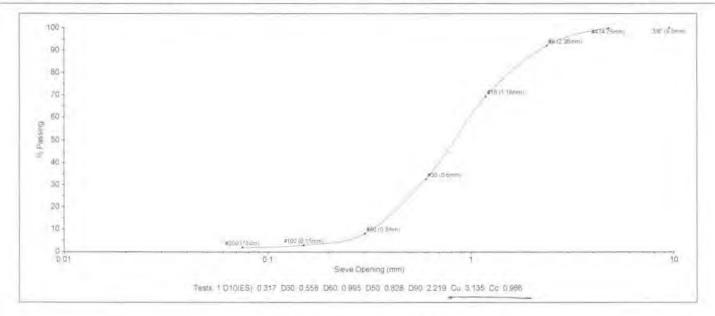
Period 01/01/2012 - 07/27/2012

Plant 264-Westminster

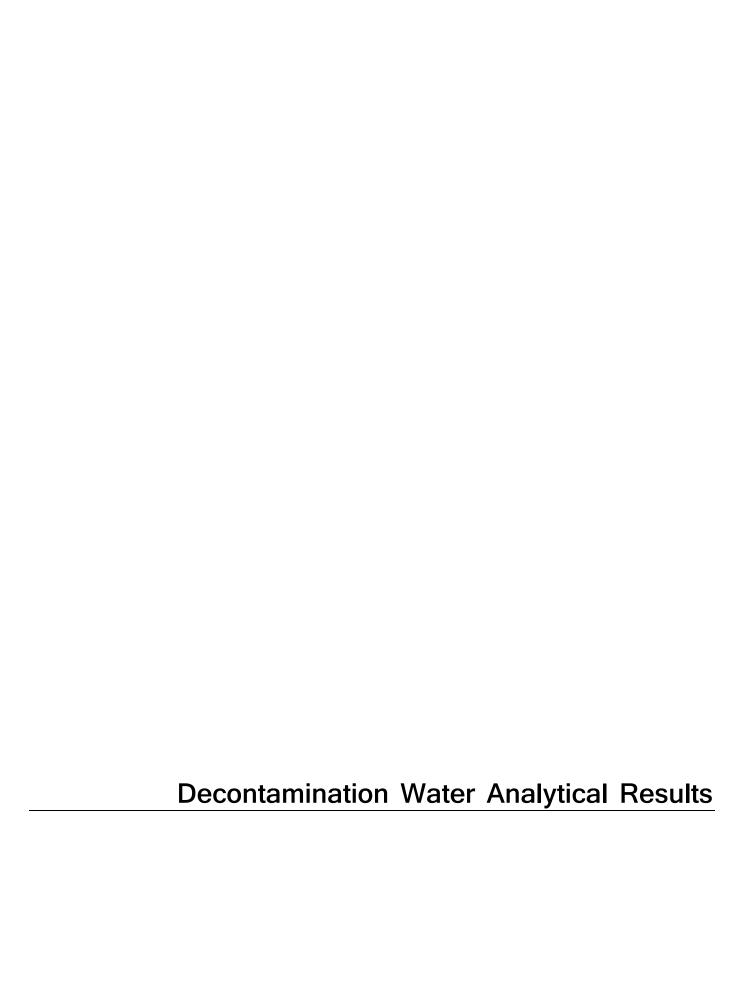
Product 502-White Sand (31152)

Specification A Sand

Sieve/Test	Tests	Average	Min	Max	Range	St Dev	Target	Specification	PWS
3/8" (9.5mm)	213	100.0	100.0	100.0	0.0	0.00		100-100	100.0
#4 (4.75mm)	213	99.9	99.4	100.0	0.6	0.12		95-100	100.0
#8 (2,36mm)	213	92.0	86.9	99.4	12.5	1.42		80-100	100.0
#16 (1.18mm)	213	69.2	50.7	74.5	23.8	2.92		50-85	100.0
#30 (0.6mm)	213	32.6	17.7	40.7	23.0	3.15		25-60	99.2
#50 (0.3mm)	213	8.0	4.6	11.6	7.0	1.58		5-30	97.1
#100 (0.15mm)	213	2.9	1.2	8.5	7.3	0.74		0-10	100.0
#200 (75um)	213	1.79	0.65	3 30	2.65	0.349		0-5	100.0
	3/8" (9.5mm) #4 (4.75mm) #8 (2.36mm) #16 (1.18mm) #30 (0.6mm) #50 (0.3mm) #100 (0.15mm)	3/8" (9.5mm) 213 #4 (4.75mm) 213 #8 (2.36mm) 213 #16 (1.18mm) 213 #30 (0.6mm) 213 #50 (0.3mm) 213	3/8" (9.5mm) 213 100.0 #4 (4.75mm) 213 99.9 #8 (2.36mm) 213 92.0 #16 (1.18mm) 213 69.2 #30 (0.6mm) 213 32.6 #50 (0.3mm) 213 8.0 #100 (0.15mm) 213 2.9	3/8" (9.5mm) 213 100.0 100.0 #4 (4.75mm) 213 99.9 99.4 #8 (2.36mm) 213 92.0 86.9 #16 (1.18mm) 213 69.2 50.7 #30 (0.6mm) 213 32.6 17.7 #50 (0.3mm) 213 8.0 4.6 #100 (0.15mm) 213 2.9 1.2	3/8" (9.5mm) 213 100.0 100.0 100.0 #4 (4.75mm) 213 99.9 99.4 100.0 #8 (2.36mm) 213 92.0 86.9 99.4 #16 (1.18mm) 213 69.2 50.7 74.5 #30 (0.6mm) 213 32.6 17.7 40.7 #50 (0.3mm) 213 8.0 4.6 11.6 #100 (0.15mm) 213 2.9 1.2 8.5	3/8" (9.5mm) 213 100.0 100.0 100.0 0.0 #4 (4.75mm) 213 99.9 99.4 100.0 0.6 #8 (2.36mm) 213 92.0 86.9 99.4 12.5 #16 (1.18mm) 213 69.2 50.7 74.5 23.8 #30 (0.6mm) 213 32.6 17.7 40.7 23.0 #50 (0.3mm) 213 8.0 4.6 11.6 7.0 #100 (0.15mm) 213 2.9 1.2 8.5 7.3	3/8" (9.5mm) 213 100.0 100.0 100.0 0.0 0.00 #4 (4.75mm) 213 99.9 99.4 100.0 0.6 0.12 #8 (2.36mm) 213 92.0 86.9 99.4 12.5 1.42 #16 (1.18mm) 213 69.2 50.7 74.5 23.8 2.92 #30 (0.6mm) 213 32.6 17.7 40.7 23.0 3.15 #50 (0.3mm) 213 8.0 4.6 11.6 7.0 1.58 #100 (0.15mm) 213 2.9 1.2 8.5 7.3 0.74	3/8" (9.5mm) 213 100.0 100.0 100.0 0.0 0.00 #4 (4.75mm) 213 99.9 99.4 100.0 0.6 0.12 #8 (2.36mm) 213 92.0 86.9 99.4 12.5 1.42 #16 (1.18mm) 213 69.2 50.7 74.5 23.8 2.92 #30 (0.6mm) 213 32.6 17.7 40.7 23.0 3.15 #50 (0.3mm) 213 8.0 4.6 11.6 7.0 1.58 #100 (0.15mm) 213 2.9 1.2 8.5 7.3 0.74	3/8" (9.5mm) 213 100.0 100.0 100.0 0.0 0.00 100-100 #4 (4.75mm) 213 99.9 99.4 100.0 0.6 0.12 95-100 #8 (2.36mm) 213 92.0 86.9 99.4 12.5 1.42 80-100 #16 (1.18mm) 213 69.2 50.7 74.5 23.8 2.92 50-85 #30 (0.6mm) 213 32.6 17.7 40.7 23.0 3.15 25-60 #50 (0.3mm) 213 8.0 4.6 11.6 7.0 1.58 5-30 #100 (0.15mm) 213 2.9 1.2 8.5 7.3 0.74 0-10



Cu: 3.135 Cc. .966





ANALYTICAL REPORT

Job Number: 180-22895-1

Job Description: JEB Little Creek-VA. Beach VA

For:

McLean Contracting Company Attn: Accounts Payable Dept 6700 McLean Way Glen Burnie, MD 21060

Attention: Ms. Joy Eanes

Approved for release. Ryan Hall Customer Service Manager 9/11/2013 2:54 PM

Ryan Hall, Customer Service Manager 301 Alpha Drive, Pittsburgh, PA, 15238 (412)963-2430 ryan.hall@testamericainc.com 09/11/2013

I certify that this Sample Data Package is in compliance with the terms and conditions of the DOD QSM, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

This report is in summary format. A fully validatable report was sent previously. The samples were sent to TestAmerica for a hazardous waste analysis. This analysis is designed to determine if the material in question is a characteristic hazardous waste. A material exhibits hazardous characteristics if it is flammable, reactive, corrosive or produces leachate with specific D listed contaminants of concern over a specified threshold.

Please refer to 40 CFR 261 for additional information.

METHOD SUMMARY

Job Number: 180-22895-1

Client: McLean Contracting Company

Description	Lab Location	Method Preparation Method
Matrix: Water		
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B/DoD
TCLP Extraction	TAL PIT	SW846 1311
Purge and Trap	TAL PIT	SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL PIT	SW846 8270C/DoD
TCLP Extraction	TAL PIT	SW846 1311
Liquid-Liquid Extraction (Continuous)	TAL PIT	SW846 3520C
Organochlorine Pesticides (GC)	TAL PIT	SW846 8081/DOD
TCLP Extraction	TAL PIT	SW846 1311
Liquid-Liquid Extraction (Separatory Funnel)	TAL PIT	SW846 3510C
Herbicides (GC)	TAL PIT	SW846 8151/DOD
TCLP Extraction	TAL PIT	SW846 1311
Extraction (Herbicides)	TAL PIT	SW846 8151A
Metals (ICP)	TAL PIT	SW846 6010B/DOD
TCLP Extraction	TAL PIT	SW846 1311
Preparation, Total Metals	TAL PIT	SW846 3010A
Mercury (CVAA)	TAL PIT	SW846 7470A/DOD
TCLP Extraction	TAL PIT	SW846 1311
Preparation, Mercury	TAL PIT	SW846 7470A
Ignitability,Pensky-Martens Closed Cup Method	TAL PIT	SW846 1010A
Cyanide, Total andor Amenable	TAL PIT	SW846 9012B
Cyanide, Total and/or Amenable, Distillation	TAL PIT	SW846 9012B
Sulfide, Acid soluble and Insoluble (Titrimetric)	TAL PIT	SW846 9034
Sulfide, Distillation (Acid Soluble and Insoluble)	TAL PIT	SW846 9030B
рН	TAL PIT	SW846 9040C

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: McLean Contracting Company Job Number: 180-22895-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Journet, Patrick	PJJ
SW846 8270C/DoD	Piccolino, Vincent	VVP
SW846 8081/DOD	Oravec, John	JMO
SW846 8151/DOD	Eppinger, David	DFE
SW846 6010B/DOD	Good, Rob	RJG
SW846 7470A/DOD	Hoyle, William A	WAH
SW846 1010A	Reagle, Carl	CMR
SW846 9012B	Johnson, Paul	PGJ
SW846 9034	McLaughlin, Jeremiah W	JWM
SW846 9040C	Hartmann, Rachael D	RDH

SAMPLE SUMMARY

Client: McLean Contracting Company Job Number: 180-22895-1

			Date/Time	Date/Time
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received
180-22895-1	SC141	Water	07/01/2013 1200	07/09/2013 0900
180-22895-2	SC142	Water	07/01/2013 1200	07/09/2013 0900
180-22895-3	SC135	Water	07/01/2013 1200	07/09/2013 0900
180-22895-4	SC136	Water	07/01/2013 1200	07/09/2013 0900

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC141

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200 Client Matrix:

Date Received: 07/09/2013 0900 Water

8260B/DoD Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method: 8260B/DoD Analysis Batch: 180-77787 Instrument ID: HP4 Prep Method: 5030B Prep Batch: N/A Lab File ID: 4071808.D Leach Batch: Dilution: 180-76928 Initial Weight/Volume: 40 5 mL Final Weight/Volume: 5 mL

Analysis Date: 07/18/2013 1227 Prep Date: 07/18/2013 1227 Leach Date: 07/09/2013 1922

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Benzene	0.060	U	0.040	0.20
2-Butanone (MEK)	0.060	U	0.043	0.20
Carbon tetrachloride	0.060	U	0.043	0.20
Chlorobenzene	0.040	U	0.021	0.20
Chloroform	0.060	U	0.040	0.20
1,2-Dichloroethane	0.040	U	0.038	0.20
1,1-Dichloroethene	0.060	U	0.043	0.20
Tetrachloroethene	0.040	U	0.033	0.20
Trichloroethene	0.040	U	0.032	0.20
Vinyl chloride	0.060	U	0.052	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	93		85 - 115
1,2-Dichloroethane-d4 (Surr)	102		70 - 120
4-Bromofluorobenzene (Surr)	88		75 - 120
Toluene-d8 (Surr)	107		85 - 120

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8260B/DoD Volatile Organic Com	pounds (GC/MS)-TCLP
--------------------------------	---------------------

Analysis Method: 8260B/DoD Analysis Batch: Instrument ID: HP4 180-77787 Prep Method: 5030B Prep Batch: N/A Lab File ID: 4071809.D Leach Batch: Dilution: Initial Weight/Volume: 40 180-76928 5 mL Final Weight/Volume: 5 mL

Analysis Date: 07/18/2013 1255
Prep Date: 07/18/2013 1255
Leach Date: 07/09/2013 1922

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Benzene	0.060	U	0.040	0.20
2-Butanone (MEK)	0.060	U	0.043	0.20
Carbon tetrachloride	0.060	U	0.043	0.20
Chlorobenzene	0.040	U	0.021	0.20
Chloroform	0.060	U	0.040	0.20
1,2-Dichloroethane	0.040	U	0.038	0.20
1,1-Dichloroethene	0.060	U	0.043	0.20
Tetrachloroethene	0.040	U	0.033	0.20
Trichloroethene	0.040	U	0.032	0.20
Vinyl chloride	0.060	U	0.052	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	91		85 - 115
1,2-Dichloroethane-d4 (Surr)	97		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Toluene-d8 (Surr)	111		85 - 120

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8260B/DoD Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method: 8260B/DoD Analysis Batch: 180-77787 Instrument ID: HP4 Prep Method: 5030B Prep Batch: N/A Lab File ID: 4071810.D Leach Batch: Dilution: Initial Weight/Volume: 40 180-76928 5 mL Final Weight/Volume: 5 mL

Analysis Date: 07/18/2013 1326
Prep Date: 07/18/2013 1326
Leach Date: 07/09/2013 1922

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Benzene	0.060	U	0.040	0.20
2-Butanone (MEK)	0.060	U	0.043	0.20
Carbon tetrachloride	0.060	U	0.043	0.20
Chlorobenzene	0.040	U	0.021	0.20
Chloroform	0.060	U	0.040	0.20
1,2-Dichloroethane	0.040	U	0.038	0.20
1,1-Dichloroethene	0.060	U	0.043	0.20
Tetrachloroethene	0.040	U	0.033	0.20
Trichloroethene	0.040	U	0.032	0.20
Vinyl chloride	0.060	U	0.052	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	90		85 - 115
1,2-Dichloroethane-d4 (Surr)	99		70 - 120
4-Bromofluorobenzene (Surr)	85		75 - 120
Toluene-d8 (Surr)	105		85 - 120

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC136

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8260B/DoD Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method: 8260B/DoD Analysis Batch: 180-77787 Instrument ID: HP4 Prep Method: 5030B Prep Batch: N/A Lab File ID: 4071811.D Leach Batch: Dilution: 180-76928 Initial Weight/Volume: 40 5 mL Final Weight/Volume: 5 mL

Analysis Date: 07/18/2013 1353
Prep Date: 07/18/2013 1353
Leach Date: 07/09/2013 1922

Analyte	Result (mg/L)	Qualifier	DL	LOQ
Benzene	0.060	UJ	0.040	0.20
2-Butanone (MEK)	0.060	UJ	0.043	0.20
Carbon tetrachloride	0.060	UJ	0.043	0.20
Chlorobenzene	0.040	UJ	0.021	0.20
Chloroform	0.060	UJ	0.040	0.20
1,2-Dichloroethane	0.040	UJ	0.038	0.20
1,1-Dichloroethene	0.060	UJ	0.043	0.20
Tetrachloroethene	0.040	U J	0.033	0.20
Trichloroethene	0.040	UJ	0.032	0.20
Vinyl chloride	0.060	UJ	0.052	0.20
Surrogate	%Rec	Qualifier	Accepta	nce Limits

Surrogate	%Rec	Qualifier	Acceptance Limits
Dibromofluoromethane (Surr)	91		85 - 115
1,2-Dichloroethane-d4 (Surr)	103		70 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Toluene-d8 (Surr)	109		85 - 120

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC141

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8270C/DoD Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method: 8270C/DoD Analysis Batch: 180-77437 Instrument ID: 731

Prep Method:3520CPrep Batch:180-76974Lab File ID:V0715N04.DDilution:1.0Leach Batch:180-76926Initial Weight/Volume:200 mL

 Analysis Date:
 07/15/2013
 1843
 Final Weight/Volume:
 10.0 mL

 Prep Date:
 07/10/2013
 1041
 Injection Volume:
 2 uL

 Leach Date:
 07/09/2013
 1845

Analyte	Result (mg/L)	Qualifier	DL	LOQ
1,4-Dichlorobenzene	0.010	U	0.0037	0.010
2,4-Dinitrotoluene	0.0075	U	0.0027	0.050
Hexachlorobenzene	0.0025	U	0.00092	0.010
Hexachlorobutadiene	0.0020	U	0.00083	0.010
Hexachloroethane	0.0075	U	0.0031	0.050
Nitrobenzene	0.010	U	0.0042	0.010
Pentachlorophenol	0.010	U	0.0033	0.050
Pyridine	0.0075	U	0.0036	0.050
2,4,5-Trichlorophenol	0.015	U	0.0076	0.050
2,4,6-Trichlorophenol	0.020	U	0.0087	0.050
2-Methylphenol	0.010	U	0.0043	0.050
Methylphenol, 3 & 4	0.013	U	0.0045	0.050
Surrogate	%Rec	Qualifier	Acceptan	ce Limits
2,4,6-Tribromophenol (Surr)	58		40 - 125	
2-Fluorophenol (Surr)	76		20 - 110	

Surrogate	/orcec	Qualifici	Acceptance Limits	
2,4,6-Tribromophenol (Surr)	58		40 - 125	
2-Fluorophenol (Surr)	76		20 - 110	
Nitrobenzene-d5 (Surr)	75		40 - 110	
Phenol-d5 (Surr)	76		10 - 115	
Terphenyl-d14 (Surr)	70		50 - 135	
Surrogate	%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl	71		50 - 110	

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8270C/DoD Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method: 8270C/DoD Analysis Batch: 180-77437 Instrument ID: 731

Prep Method: 3520C Prep Batch: 180-76974 Lab File ID: V0715N05.D

Dilution: 1.0 Leach Batch: 180-76926 Initial Weight/Volume: 200 mL

Analysis Date: 07/15/2013 1912 Final Weight/Volume: 10.0 mL

Prep Date:	07/10/2013 1041		Injec	tion Volume:	2 uL	
Leach Date:	07/09/2013 1845					
Analyte		Result (mg/L)	Qualifier	DL	LOQ	
1,4-Dichlorobenzen	ne	0.010	U	0.0037	0.010	
2,4-Dinitrotoluene		0.0075	U	0.0027	0.050	
Hexachlorobenzene	е	0.0025	U	0.00092	0.010	
Hexachlorobutadie	ne	0.0020	U	0.00083	0.010	
Hexachloroethane		0.0075	U	0.0031	0.050	
Nitrobenzene		0.010	U	0.0042	0.010	
Pentachlorophenol		0.010	U	0.0033	0.050	
Pyridine		0.0075	U	0.0036	0.050	
2,4,5-Trichlorophen	nol	0.015	U	0.0076	0.050	
2,4,6-Trichlorophen	nol	0.020	U	0.0087	0.050	
2-Methylphenol		0.010	U	0.0043	0.050	
Methylphenol, 3 & 4	4	0.013	U	0.0045	0.050	
Surrogate		%Rec	Qualifier	Acceptan	ce Limits	
2,4,6-Tribromopher	nol (Surr)	55		40 - 125		
2-Fluorophenol (Su	rr)	77		20 - 110		
Nitrobenzene-d5 (S	Surr)	78		40 - 110		
Phenol-d5 (Surr)		76		10 - 115		
Terphenyl-d14 (Sur	r)	71		50 - 135		
Surrogate		%Rec	Qualifier	Acceptan	ce Limits	
2-Fluorobiphenyl		69		50 - 110		

Job Number: 180-22895-1 Client: McLean Contracting Company

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200 Client Matrix: Date Received: 07/09/2013 0900

Water

8270C/DoD Semivolatile Organic Compounds (GC/MS)-TCLP

Analysis Method: 8270C/DoD Analysis Batch: 180-77437 Instrument ID: 731 Prep Method: 3520C Prep Batch: 180-76974 Lab File ID: V0715N06.D

Leach Batch: Dilution: Initial Weight/Volume: 1.0 180-76926 200 mL Analysis Date: 07/15/2013 1942 Final Weight/Volume: 10.0 mL

Allalysis Date.	01/13/2013 1342		i iiiai	i vveigiti voluttie.	10.0 IIIL	
Prep Date:	07/10/2013 1041		Injec	tion Volume:	2 uL	
Leach Date:	07/09/2013 1845					
Analyte		Result (mg/L)	Qualifier	DL	LOQ	
1,4-Dichlorobenze	ene	0.010	U	0.0037	0.010	
2,4-Dinitrotoluene	:	0.0075	U	0.0027	0.050	
Hexachlorobenze	ne	0.0025	U	0.00092	0.010	
Hexachlorobutadi	ene	0.0020	U	0.00083	0.010	
Hexachloroethane	e	0.0075	U	0.0031	0.050	
Nitrobenzene		0.010	U	0.0042	0.010	
Pentachloropheno	ol	0.010	U	0.0033	0.050	
Pyridine		0.0075	U	0.0036	0.050	
2,4,5-Trichlorophe	enol	0.015	U	0.0076	0.050	
2,4,6-Trichlorophe	enol	0.020	U	0.0087	0.050	
2-Methylphenol		0.010	U	0.0043	0.050	
Methylphenol, 3 8	k 4	0.013	U	0.0045	0.050	
Surrogate		%Rec	Qualifier	Accepta	nce Limits	
2,4,6-Tribromoph	enol (Surr)	58		40 - 125		
2-Fluorophenol (S	Surr)	78		20 - 110		
Nitrobenzene-d5	(Surr)	78		40 - 110		
Phenol-d5 (Surr)		78		10 - 115		
Terphenyl-d14 (S	urr)	76		50 - 135		
Surrogate		%Rec	Qualifier	Accepta	nce Limits	
2-Fluorobiphenyl		72		50 - 110		

50 - 110

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC136

2-Fluorobiphenyl

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

		8270C/DoD Semivolatile Org	janic Compounds	(GC/MS)-TCLP
Analysis Method:	8270C/DoD	Analysis Batch:	180-77569	Instrument

Analysis Method: 8270C/DoD Analysis Batch: 180-77569 Instrument ID: 731

Prep Method: 3520C Prep Batch: 180-76974 Lab File ID: V0716007.D

Dilution: 1.0 Leach Batch: 180-76926 Initial Weight/Volume: 200 mL

Analysis Date: 07/16/2013 1358 Final Weight/Volume: 10.0 mL
Prep Date: 07/10/2013 1041 Injection Volume: 2 uL
Leach Date: 07/09/2013 1845

Qualifier DL LOQ Analyte Result (mg/L) 1,4-Dichlorobenzene 0.010 U 0.0037 0.010 U 2.4-Dinitrotoluene 0.0075 0.0027 0.050 Hexachlorobenzene 0.0025 U 0.00092 0.010 U Hexachlorobutadiene 0.0020 0.00083 0.010 U Hexachloroethane 0.0075 0.0031 0.050 Nitrobenzene 0.010 U 0.0042 0.010 Pentachlorophenol U 0.0033 0.050 0.010 Pyridine 0.0075 U 0.0036 0.050 U 2,4,5-Trichlorophenol 0.0076 0.050 0.015 2,4,6-Trichlorophenol 0.020 U 0.0087 0.050 2-Methylphenol 0.010 U 0.0043 0.050 0.013 U 0.0045 0.050 Methylphenol, 3 & 4 %Rec Qualifier Acceptance Limits Surrogate 2,4,6-Tribromophenol (Surr) 62 40 - 125 76 2-Fluorophenol (Surr) 20 - 110 Nitrobenzene-d5 (Surr) 76 40 - 110 Phenol-d5 (Surr) 77 10 - 115 Terphenyl-d14 (Surr) 79 50 - 135 Surrogate %Rec Qualifier Acceptance Limits

69

30 - 135

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC141

DCB Decachlorobiphenyl (Surr)

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

		8081/DOD Organochio	orine Pesticide	s (GC)-T	CLP	
Analysis Method:	8081/DOD	Analysis Batch:	180-77183		Instrument ID:	GC15
Prep Method:	3510C	Prep Batch:	180-77021		Initial Weight/Volume:	100 mL
Dilution:	1.0	Leach Batch:	180-76926		Final Weight/Volume:	40.0 mL
Analysis Date:	07/11/2013 1039				Injection Volume:	1 uL
Prep Date:	07/10/2013 1230				Result Type:	PRIMARY
Leach Date:	07/09/2013 1845					
Analyte		Result (u	g/L)	Qualifie	r DL	LOQ
Chlordane (technica	al)	1.6		U	0.66	5.0
Endrin		0.40		U	0.39	0.50
Heptachlor		0.40		U	0.40	0.50
Heptachlor epoxide	!	0.40		U	0.39	0.50
gamma-BHC (Linda	ane)	0.40		U	0.32	0.50
Methoxychlor		0.80		U	0.37	1.0
Toxaphene		16		U	7.4	40
Surrogate		%Rec		Qualifie	r Accepta	nce Limits
Tetrachloro-m-xyler	ne	94			25 - 140	

97

Acceptance Limits

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC141

Surrogate

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method: 8081/DOD Analysis Batch: 180-77183 Instrument ID: GC15 Prep Method: 3510C Prep Batch: 180-77021 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 1.0 180-76926 40.0 mL

Analysis Date: 07/11/2013 1039 Injection Volume: 1 uL Prep Date: 07/10/2013 1230 Result Type: **SECONDARY** Leach Date: 07/09/2013 1845

%Rec

Tetrachloro-m-xylene 98 25 - 140 DCB Decachlorobiphenyl (Surr) 98 30 - 135

Qualifier

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

		8081/DOD Organochio	orine Pesticide	s (GC)-TC	LP	
Analysis Method: Prep Method: Dilution: Analysis Date: Prep Date: Leach Date:	8081/DOD 3510C 1.0 07/11/2013 1055 07/10/2013 1230 07/09/2013 1845	Analysis Batch: Prep Batch: Leach Batch:	180-77183 180-77021 180-76926	 	nstrument ID: nitial Weight/Volume: Final Weight/Volume: njection Volume: Result Type:	GC15 100 mL 40.0 mL 1 uL PRIMARY
Analyte		Result (u	g/L)	Qualifier	DL	LOQ
Chlordane (technica	al)	1.6		U	0.66	5.0
Endrin		0.40		U	0.39	0.50
Heptachlor		0.40		U	0.40	0.50
Heptachlor epoxide		0.40		U	0.39	0.50
gamma-BHC (Linda	ane)	0.40		U	0.32	0.50
Methoxychlor		0.80		U	0.37	1.0
Toxaphene		16		U	7.4	40
Surrogate		%Rec		Qualifier	Acceptar	nce Limits
Tetrachloro-m-xyler	ne	92			25 - 140	
DCB Decachlorobip	henyl (Surr)	98			30 - 135	

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method: 8081/DOD Analysis Batch: 180-77183 Instrument ID: GC15 Prep Method: 3510C Prep Batch: 180-77021 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 1.0 180-76926 40.0 mL

 Analysis Date:
 07/11/2013 1055
 Injection Volume:
 1 uL

 Prep Date:
 07/10/2013 1230
 Result Type:
 SECONDARY

Leach Date: 07/09/2013 1845

Surrogate%RecQualifierAcceptance LimitsTetrachloro-m-xylene9425 - 140DCB Decachlorobiphenyl (Surr)9930 - 135

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

		8081/DOD Organochio	orine Pesticide	s (GC)-T	CLP		
Analysis Method:	8081/DOD	Analysis Batch:	180-77183		Instrument ID:	GC15	
Prep Method:	3510C	Prep Batch:	180-77021		Initial Weight/Volume:	100 mL	
Dilution:	1.0	Leach Batch:	180-76926		Final Weight/Volume:	40.0 mL	
Analysis Date:	07/11/2013 1110				Injection Volume:	1 uL	
Prep Date:	07/10/2013 1230				Result Type:	PRIMARY	
Leach Date:	07/09/2013 1845						
Analyte		Result (u	a/L)	Qualifier	· DL	LOQ	
Chlordane (technic	al)	1.6	,	U	0.66	5.0	
Endrin		0.40		U 0.39		0.50	
Heptachlor		0.40		U 0.40		0.50	
Heptachlor epoxide)	0.40		U	0.39	0.50	
gamma-BHC (Linda	ane)	0.40		U	0.32	0.50	
Methoxychlor		0.80		U	0.37	1.0	
Toxaphene		16		U	7.4	40	
Surrogate		%Rec	%Rec		Accepta	cceptance Limits	
Tetrachloro-m-xyle	ne	92		25 - 140			
DCB Decachlorobip	ohenyl (Surr)	92	92 30 - 135				

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method: 8081/DOD Analysis Batch: 180-77183 Instrument ID: GC15 Prep Method: 3510C Prep Batch: 180-77021 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 1.0 180-76926 40.0 mL

Analysis Date: 07/11/2013 1110 Injection Volume: 1 uL Prep Date: 07/10/2013 1230 Result Type: **SECONDARY**

Leach Date: 07/09/2013 1845

Surrogate %Rec Qualifier Acceptance Limits Tetrachloro-m-xylene 94 25 - 140 DCB Decachlorobiphenyl (Surr) 96 30 - 135

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC136

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200

8081/DOD Organochlorine Pesticides (GC)-TCLP

Client Matrix: Water Date Received: 07/09/2013 0900

		•		` '			
Analysis Method:	8081/DOD	Analysis Batch:	180-77183		Instrument ID:	GC15	
Prep Method:	3510C	Prep Batch:	180-77021		Initial Weight/Volume:	100 mL	
Dilution:	1.0	Leach Batch:	180-76926		Final Weight/Volume:	40.0 mL	
Analysis Date:	07/11/2013 1126				Injection Volume:	1 uL	
Prep Date:	07/10/2013 1230				Result Type:	PRIMARY	
Leach Date:	07/09/2013 1845						
Analyte		Result (u	g/L)	Qualifier	. DL	LOQ	
Chlordane (technica	al)	1.6		U	0.66	5.0	
Endrin		0.40		U	0.39	0.50	
Heptachlor		0.40		U	0.40	0.50	
Heptachlor epoxide		0.40		U	0.39	0.50	
gamma-BHC (Linda	ane)	0.40		U	0.32	0.50	
Methoxychlor		0.80		U	0.37	1.0	

Toxaphene	16	U	7.4 40
Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		25 - 140
DCB Decachlorobiphenyl (Surr)	94		30 - 135

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC136

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8081/DOD Organochlorine Pesticides (GC)-TCLP

Analysis Method: 8081/DOD Analysis Batch: 180-77183 Instrument ID: GC15 Prep Method: 3510C Prep Batch: 180-77021 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 1.0 180-76926 40.0 mL

 Analysis Date:
 07/11/2013 1126
 Injection Volume:
 1 uL

 Prep Date:
 07/10/2013 1230
 Result Type:
 SECONDARY

Leach Date: 07/09/2013 1845

Surrogate%RecQualifierAcceptance LimitsTetrachloro-m-xylene9625 - 140DCB Decachlorobiphenyl (Surr)9730 - 135

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC141

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8151/DOD Herbicides (GC)-TCLP

Analysis Method: 8151/DOD Analysis Batch: 180-77182 Instrument ID: GC1 Prep Method: 8151A Prep Batch: 180-77035 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 10.0 mL 20 180-76926

 Analysis Date:
 07/11/2013 1339
 Injection Volume:
 1 uL

 Prep Date:
 07/10/2013 1620
 Result Type:
 PRIMARY

 Leach Date:
 07/09/2013 1845

Analyte Result (ug/L) Qualifier DL LOQ

 2,4-D
 9.6
 U
 4.5
 40

 Silvex (2,4,5-TP)
 2.0
 U
 1.1
 10

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8151/DOD Herbicides (GC)-TCLP

Analysis Method: 8151/DOD Analysis Batch: 180-77182 Instrument ID: GC1 Prep Method: 8151A Prep Batch: 180-77035 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 10.0 mL 20 180-76926

 Analysis Date:
 07/11/2013 1403
 Injection Volume:
 1 uL

 Prep Date:
 07/10/2013 1620
 Result Type:
 PRIMARY

 Leach Date:
 07/09/2013 1845

 Analyte
 Result (ug/L)
 Qualifier
 DL
 LOQ

 2,4-D
 9.6
 U
 4.5
 40

 Silvex (2,4,5-TP)
 2.0
 U
 1.1
 10

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8151/DOD Herbicides (GC)-TCLP

Analysis Method: 8151/DOD Analysis Batch: 180-77182 Instrument ID: GC1 Prep Method: 8151A Prep Batch: 180-77035 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 10.0 mL 20 180-76926

 Analysis Date:
 07/11/2013 1427
 Injection Volume:
 1 uL

 Prep Date:
 07/10/2013 1620
 Result Type:
 PRIMARY

 Leach Date:
 07/09/2013 1845

 Analyte
 Result (ug/L)
 Qualifier
 DL
 LOQ

 2,4-D
 9.6
 U
 4.5
 40

 Silvex (2,4,5-TP)
 2.0
 U
 1.1
 10

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC136

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200

Client Matrix: Water Date Received: 07/09/2013 0900

8151/DOD Herbicides (GC)-TCLP

Analysis Method: 8151/DOD Analysis Batch: 180-77182 Instrument ID: GC1 Prep Method: 8151A Prep Batch: 180-77035 Initial Weight/Volume: 100 mL Leach Batch: Dilution: Final Weight/Volume: 10.0 mL 20 180-76926

 Analysis Date:
 07/11/2013 1451
 Injection Volume:
 1 uL

 Prep Date:
 07/10/2013 1620
 Result Type:
 PRIMARY

 Leach Date:
 07/09/2013 1845

Analyte Result (ug/L) Qualifier DL LOQ

 2,4-D
 9.6
 U
 4.5
 40

 Silvex (2,4,5-TP)
 2.0
 U
 1.1
 10

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC141

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200 Client Matrix: Water Date Received: 07/09/2013 0900

6010B/DOD Metals (ICP)-TCLP

Analysis Method: 6010B/DOD Analysis Batch: 180-77586 Instrument ID: Q

Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: Q30717A.asc

Leach Batch: Dilution: 180-76926 Initial Weight/Volume: 5 mL 1.0 Analysis Date: 07/17/2013 0651 Final Weight/Volume: 50 mL

Prep Date: 07/10/2013 1135 Leach Date: 07/09/2013 1845

LOQ Analyte Result (mg/L) Qualifier DL Barium 0.062 0.023 2.0 J Cadmium 0.0080 U 0.0025 0.050 U Selenium 0.060 0.033 0.10

Analysis Batch: Т Analysis Method: 6010B/DOD 180-77881 Instrument ID: Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: T30719A

Dilution: 1.0 Leach Batch: 180-76926 Initial Weight/Volume: 5 mL 07/19/2013 0531 Analysis Date: Final Weight/Volume: 50 mL

Prep Date: 07/10/2013 1135 Leach Date: 07/09/2013 1845

Analyte LOQ Result (mg/L) Qualifier DL Arsenic 0.050 U 0.027 0.10 Chromium 0.025 U 0.050 0.0057 U Lead 0.030 0.10 0.016 U 0.013 0.050 Silver 0.0068

7470A/DOD Mercury (CVAA)-TCLP

Analysis Method: 7470A/DOD Analysis Batch: Instrument ID: G 180-77118

Prep Method: 7470A Prep Batch: 180-77055 Lab File ID: G30711B.PRN Dilution: 1.0 Leach Batch: 180-76926

Initial Weight/Volume: 50 mL Analysis Date: 07/11/2013 1136 Final Weight/Volume: 50 mL Prep Date: 07/11/2013 0513

Leach Date: 07/09/2013 1845

Analyte Result (mg/L) Qualifier DL LOQ U 0.00020 Mercury 0.000075 0.000038

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200 Date Received: 07/09/2013 0900

Client Matrix: Water

6010B/DOD Metals (ICP)-TCLP

Analysis Method: 6010B/DOD Analysis Batch: 180-77586 Instrument ID: Q

Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: Q30717A.asc Leach Batch: Dilution: 1.0 5 mL

180-76926 Initial Weight/Volume: Analysis Date: 07/17/2013 0701 Final Weight/Volume: 50 mL Prep Date: 07/10/2013 1135

Leach Date: 07/09/2013 1845

LOQ Analyte Result (mg/L) Qualifier DL Barium 0.023 2.0 0.057 J Cadmium 0.0080 U 0.0025 0.050 U Selenium 0.060 0.033 0.10

Analysis Batch: Т Analysis Method: 6010B/DOD 180-77881 Instrument ID: Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: T30719A

Dilution: 1.0 Leach Batch: 180-76926 Initial Weight/Volume: 5 mL 07/19/2013 0541 Analysis Date: Final Weight/Volume: 50 mL

Prep Date: 07/10/2013 1135 Leach Date: 07/09/2013 1845

07/09/2013 1845

Leach Date:

Analyte LOQ Result (mg/L) Qualifier DL Arsenic 0.050 U 0.027 0.10 Chromium 0.0081 0.050 J 0.0057 U Lead 0.030 0.10 0.016 U 0.013 0.050 Silver 0.0068

7470A/DOD Mercury (CVAA)-TCLP

Analysis Method: 7470A/DOD Analysis Batch: Instrument ID: G 180-77118

Prep Method: 7470A Prep Batch: 180-77055 Lab File ID: G30711B.PRN Dilution: 1.0

Leach Batch: 180-76926 Initial Weight/Volume: 50 mL Analysis Date: 07/11/2013 1138 Final Weight/Volume: 50 mL

Prep Date: 07/11/2013 0513

Analyte Result (mg/L) Qualifier DL LOQ U 0.00020 Mercury 0.000075 0.000038

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200 Client Matrix:

Water Date Received: 07/09/2013 0900

6010B/DOD Metals (ICP)-TCLP

Analysis Method: 6010B/DOD Analysis Batch: 180-77586 Instrument ID: Q

Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: Q30717A.asc

Leach Batch: Dilution: 180-76926 Initial Weight/Volume: 5 mL 1.0 Analysis Date: 07/17/2013 0706 Final Weight/Volume: 50 mL

Prep Date: 07/10/2013 1135 Leach Date: 07/09/2013 1845

Analyte Result (mg/L) Qualifier DL LOQ Barium 0.050 0.023 2.0 U Cadmium 0.0080 U 0.0025 0.050 U Selenium 0.060 0.033 0.10

Analysis Batch: Т Analysis Method: 6010B/DOD 180-77881 Instrument ID: Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: T30719A

Dilution: 1.0 Leach Batch: 180-76926 Initial Weight/Volume: 5 mL 07/19/2013 0547 Analysis Date: Final Weight/Volume: 50 mL

Prep Date: 07/10/2013 1135 Leach Date: 07/09/2013 1845

Analyte LOQ Result (mg/L) Qualifier DL Arsenic 0.050 U 0.027 0.10 Chromium 0.025 U 0.050 0.0057 U Lead 0.030 0.10 0.016 U 0.050 0.013 Silver 0.0068

7470A/DOD Mercury (CVAA)-TCLP

Analysis Method: 7470A/DOD Analysis Batch: Instrument ID: G 180-77118

Prep Method: 7470A Prep Batch: 180-77055 Lab File ID: G30711B.PRN

Dilution: 1.0 Leach Batch: 180-76926 Initial Weight/Volume: 50 mL Analysis Date: 07/11/2013 1140 Final Weight/Volume: 50 mL

Prep Date: 07/11/2013 0513 Leach Date: 07/09/2013 1845

Analyte Result (mg/L) Qualifier DL LOQ U 0.00020 Mercury 0.000075 0.000038

Client: McLean Contracting Company Job Number: 180-22895-1

Client Sample ID: SC136

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200 Client Matrix: Date Received: 07/09/2013 0900

Water

6010B/DOD Metals (ICP)-TCLP

Analysis Method: 6010B/DOD Analysis Batch: 180-77586 Instrument ID: Q

Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: Q30717A.asc Leach Batch: Dilution: 1.0 180-76926 Initial Weight/Volume: 5 mL

Analysis Date: 07/17/2013 0711 Prep Date: 07/10/2013 1135

Final Weight/Volume: 50 mL

Leach Date: 07/09/2013 1845

Analyte Result (mg/L) Qualifier DL LOQ Barium 0.055 0.023 2.0 J Cadmium 0.0080 U 0.0025 0.050 U Selenium 0.060 0.033 0.10

Analysis Batch: Т Analysis Method: 6010B/DOD 180-77881 Instrument ID: Prep Method: 3010A Prep Batch: 180-76986 Lab File ID: T30719A

Dilution: 1.0 Leach Batch: 180-76926 07/19/2013 0552 Analysis Date:

Initial Weight/Volume: 5 mL Final Weight/Volume: 50 mL

Prep Date: 07/10/2013 1135 Leach Date: 07/09/2013 1845

Analyte LOQ Result (mg/L) Qualifier DL Arsenic 0.050 U 0.027 0.10 Chromium 0.025 U 0.050 0.0057 U Lead 0.030 0.10 0.016 U 0.050 0.013 Silver 0.0068

7470A/DOD Mercury (CVAA)-TCLP

Analysis Method: 7470A/DOD Analysis Batch: Instrument ID: G 180-77118

Prep Method: 7470A Prep Batch: 180-77055 Lab File ID: G30711B.PRN 1.0

Dilution: Leach Batch: 180-76926 Initial Weight/Volume: 50 mL Analysis Date: 07/11/2013 1141 Final Weight/Volume: 50 mL

Prep Date: 07/11/2013 0513 Leach Date: 07/09/2013 1845

Analyte Result (mg/L) Qualifier DL LOQ 0.00020 Mercury 0.000069 J 0.000038

Client: McLean Contracting Company Job Number: 180-22895-1

General Chemistry

Client Sample ID: SC141

Lab Sample ID: 180-22895-1 Date Sampled: 07/01/2013 1200 Client Matrix:

Date Received: 07/09/2013 0900 Water

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Flashpoint	>200		Degrees F	1.00	1.00	1.0	1010A
	Analysis Batch: 180-77097	Analysis Date:	07/10/2013 15	545			
Cyanide, Total	4.0	U	ug/L	1.5	10	1.0	9012B
	Analysis Batch: 180-77247	Analysis Date:	07/12/2013 12	238			
	Prep Batch: 180-77199	Prep Date: 07/	12/2013 0955				
Sulfide	1.5	UH	mg/L	0.59	3.0	1.0	9034
	Analysis Batch: 180-77623	Analysis Date:	07/10/2013 17	'00			
	Prep Batch: 180-77012	Prep Date: 07/	10/2013 1230				
pН	6.87	HF	SU	0.100	0.100	1.0	9040C
	Analysis Batch: 180-77138	Analysis Date:	07/11/2013 14	41			

Client: McLean Contracting Company Job Number: 180-22895-1

General Chemistry

Client Sample ID: SC142

Lab Sample ID: 180-22895-2 Date Sampled: 07/01/2013 1200 Client Matrix: Water

Date Received: 07/09/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Flashpoint	>200		Degrees F	1.00	1.00	1.0	1010A
	Analysis Batch: 180-77097	Analysis Date:	07/10/2013 16	617			
Cyanide, Total	4.0	U	ug/L	1.5	10	1.0	9012B
	Analysis Batch: 180-77247	Analysis Date:	07/12/2013 12	246			
	Prep Batch: 180-77199	Prep Date: 07/	12/2013 0955				
Sulfide	1.5	UH	mg/L	0.59	3.0	1.0	9034
	Analysis Batch: 180-77623	Analysis Date:	07/10/2013 17	'00			
	Prep Batch: 180-77012	Prep Date: 07/	10/2013 1230				
pН	7.53	HF	SU	0.100	0.100	1.0	9040C
	Analysis Batch: 180-77138	Analysis Date:	07/11/2013 14	48			

Client: McLean Contracting Company Job Number: 180-22895-1

General Chemistry

Client Sample ID: SC135

Lab Sample ID: 180-22895-3 Date Sampled: 07/01/2013 1200 Client Matrix:

Date Received: 07/09/2013 0900 Water

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Flashpoint	>200		Degrees F	1.00	1.00	1.0	1010A
	Analysis Batch: 180-77097	Analysis Date:	07/10/2013 17	'11			
Cyanide, Total	4.0	U	ug/L	1.5	10	1.0	9012B
	Analysis Batch: 180-77247	Analysis Date:	07/12/2013 12	246			
	Prep Batch: 180-77199	Prep Date: 07/	12/2013 0955				
Sulfide	1.5	UH	mg/L	0.59	3.0	1.0	9034
	Analysis Batch: 180-77623	Analysis Date:	07/10/2013 17	'00			
	Prep Batch: 180-77012	Prep Date: 07/	10/2013 1230				
рН	7.86	HF	SU	0.100	0.100	1.0	9040C
	Analysis Batch: 180-77138	Analysis Date:	07/11/2013 14	51			

Client: McLean Contracting Company Job Number: 180-22895-1

General Chemistry

Client Sample ID: SC136

Lab Sample ID: 180-22895-4 Date Sampled: 07/01/2013 1200 Client Matrix: Water

Date Received: 07/09/2013 0900

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Flashpoint	>200		Degrees F	1.00	1.00	1.0	1010A
	Analysis Batch: 180-77097	Analysis Date:	07/10/2013 17	'41			
Cyanide, Total	4.0	U	ug/L	1.5	10	1.0	9012B
-	Analysis Batch: 180-77247	Analysis Date:	07/12/2013 12	246			
	Prep Batch: 180-77199	Prep Date: 07/	12/2013 0955				
Sulfide	1.5	UH	mg/L	0.59	3.0	1.0	9034
	Analysis Batch: 180-77623	Analysis Date:	07/10/2013 17	'00			
	Prep Batch: 180-77012	Prep Date: 07/	10/2013 1230				
pН	7.61	HF	SU	0.100	0.100	1.0	9040C
•	Analysis Batch: 180-77138	Analysis Date:	07/11/2013 14	55			

DATA REPORTING QUALIFIERS

Client: McLean Contracting Company Job Number: 180-22895-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.
General Chemistry		
	Н	Sample was prepped or analyzed beyond the specified holding time
	HF U	Field parameter with a holding time of 15 minutes Undetected at the Limit of Detection.
	-	

TestAmerica Virginia Beach 5135 Cleveland Street Virginia Beach, VA 23462					fC	Custody Record									nerico				
<u> </u>					И:	_				٠.		Carrie	r Track	ing No(s):		-	COC No:	
Client Information Client Contact	180-22895	Chain of C	Custody		:	,						-					L	180-12962-3430.1 Page:	
Ms. Joy Eanes Company:	<u></u>			<u> </u>	т—							<u> </u>					_	Page 1 of 1 Job#:	
McLean Contracting Company							,		An	alysis	Rec	ues	ted						
Address: 100 Republic Road	Due Date Requeste	ed:] ,	1	Preservation Codes A - HCL	√ - Hexane
City: Chesapeake	TAT Requested (da	ays):			1													B - NaOH N	N- None D- AsNaO2
State, Zip: VA, 23324	10	days																D - Nitric Acid E E - NaHSO4 C	- Na2O4S - Na2SO3
Phone: 757-543-1676 EXT. 605	Po#: 555	1-011	0		٦			Si			5							F - MeOH F G - Amchlor S H - Ascorbic Acid	- Na2S2SO3 - H2SO4 T- TSP Dodecahydrate
Email: jeanes@mcleancont.com	WO #.		<u> </u>		or No	(٦	Ŧ	3	8	Motal			1,	20			I - Ice (I J - DI Water (I	- Acetone - MCAA
Project Name:	Project#:				18	و و	3.3	o S	र्ड	ğ			.	임.	Ž		iner	K-EDTA N	V - ph 4-5 - other (speafy)
Little Creek Rinse Water Site: Site: LITTLE COEFIL VA BRACIL VA	SSOW#:				Sample (Yes	TCI D VOIGHIRS	Extraction	Semivolati	Extraction	Peshcides Herbicides	RCRA		Flashpoint	Sulfide	Manide		fconte	K - EDTA V L - EDA Z	
JEB LITTLE CREEK-YA. BEACH, VA		<u> </u>	Ι	Matrix	- S be		沿						8				ber of		
	1		Sample Type	(W=water,	Filtered	<u></u>	اح	TCLP	TCLP	TCLP	TCLP	-	20	0 da	<u>क</u>		Total Number	ı	
Sample Identification	Sample Date	Sample Time	(C=comp, G=grab)	S=solid, O=waste/oil, BT=Tissue, A=Air		Perform 4	75.P	7	12	5 5	4	He	4	2 4	2		lotal	Special Inst	ructions/Note:
				ation Code:	$^{\prime}$	X				10.7							X	Operation 1	
SCILI	7-1-13	אא בו	G	W		×	X	X	X	XX	×	X	X	× >	(13	Analysis (equested
SC142	7-1-13	12 NH	G	W	П	X	X	-		XX	X	X	X	< >	(as per Qu	1 1
SC135	7-1-13	12 NN	G	W	П	X	×	×	X:	X >	(X	X	X	Хy	(13	1801189	
Sc136	7-1-13	12 NN	G	W	Π	×			-	× >		1		×	1	_	13		
					П									Ť				- 1	
					11														
					T									\top				:	
			_		Π				1										
					11	1			\neg						1			1	
					T													-	
					11													,	
Possible Hazard Identification	<u> </u>	'	l	l	1					ee may	be a	ssess	ed if	samp	les ar			l longer than 1 mo	l .
Non-Hazard Flammable Skin Irritant Poison	n B Unknov	vn Rad	diological				Return			Requi	remer	isposa	al By L	.ab		Arc	chive	Forl	Months
Deliverable Requested: I, II, III, IV, Other (specify) Level 4 2	eport and	DoD (<u>asm</u>				111301	Cuon	<i>5</i> , QO	rtequi	reme.	<u> </u>	Method	of Chi	amont:		7		<u> </u>
Empty Kit Relinquished by: Relinquished by:	Date/Time:	Date:		Company	Tim		ceived b	,-s V:	_	_/			Medioc	Da JDa	ite⁄⊈imé	1	<u>/</u>		company :
Joy fornes	7/8/13	7:00	AH	McLean	Co	n !	_).(بعرياز	جکے	70	w			1/	1/	<u>B</u>	1050	I the
Relinquished by: Flexe Am	Date/Time	3 /63	30	Company +A		Rec	eived b	<u> </u>	<u> </u>	(L)	W) t	atr	<u>Μ</u>		ile/Altre	70	1-1	3400	TAKH
Relinquished by:	Date/Time:			Compány		Rec	eived b		-					Da	ite/Time:		i		ompany
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No	<u> </u>					Coo	ler Terr	peratu	re(s) °	C and O	ther Re	marks:			,				

Login Sample Receipt Checklist

Client: McLean Contracting Company

Job Number: 180-22895-1

Login Number: 22895 List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



Little Creek Sand Placement - Barge Loads

	Date Shipped	Load No.	Barge No.	Load (Tons)	Load (CY)
DESERT COVE	4/22/2013	5629	VMC209	1,756.50	1,171.00
DESERT COVE	4/22/2013	5631	VMC207	1,746.00	1,164.00
			Total:	3,502.50	2,335.00
	Date Shipped	Load No.	Barge No.	Load (Tons)	Load (CY)
	4/29/2013	5831	VMC212	1,788.00	1,192.00
	4/29/2013	5832	VMC220	1,725.00	1,150.00
OPTION 1	4/30/2013	5872	VMC216	1,777.50	1,185.00
OPTION 1	5/1/2013	5895	VMC204	1,760.07	1,173.38
	5/13/2013	6195	VMC202	1,765.80	1,177.20
	5/22/2013	6430	VMC202	1,053.49	702.33
			Total:	9,869.86	6,579.91

Barge Number: VMC212

Creator Name: Wayne Weaver (weaverw@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 5831

Inspection Report #: 5831

Barge Order #: 130333-1 Bill of Lading #: 7012

Barge Line: ME MARINE BARGE DEPT

Creation Date: 04/29/2013

Order Details

130333

Origin

Puddledock S-G [2451-132]

Destination

Hampton Roads Mooring

External Order Number

1082637

Cargo Information

Load # Loaded

White Concrete Sand [31152] 5831 1,788.00

General Information

Barge is Good?

YES

General Comments:

None

1622.05

Loading Information

Load Start Time Commodity

Draft(Starboard, Bow)

Draft(Starboard,Bow)

Draft(Port,Bow)

Draft(Port,Bow)

31152-White Concrete Sand

04/29/2013 08:30

140.40 [10.9 ft]

130.80 [10.9 ft]

28.80 [2.4 R.] 28.80 [2.4 ft.] Load End Time Short Tons

Draft(Port,Mid)

Draft(Port, Mid)

Draft(Starboard,Mid)

Beginning Drafts (Freeboard) Draft(Starboard, Mid) 135.60 [11.3 ft.]

135.60 [11.3 ft.] Ending Drafts (Freeboard)

28.80 [2.4 ft.]

28.80 [2.4 ft.]

04/29/2013 11:30

Draft(Starboard, Stern)

Draft(Port, Stern)

Draft(Port, Stern)

Draft(Starboard, Stern)

Metric Tons

28.80 [2.4 ft.] 28.80 [2.4 ft.]

140.40 [11.7 ft.]

140.40 [11.7 ft.]

Releasing Information

Fleet Arrival Date/Time

Terminal Release Date

04/29/2013 Time 07:35

04/29/2013 11:30

Terminal Release

Hampton Roads Mooring

Demurrage Comments **Emergency Numbers**

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- Read the Material Safety Data Sheet (MSDS) before handling this product to determine the
 appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of
 silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la sílice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la silice.

Barge Number: VMC220

Creator Name: Wayne Weaver (weaverw@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 5832

Inspection Report #: 5832

Barge Order #: 130333-3

Bill of Lading #: 7013

Barge Line: ME MARINE BARGE DEPT

Creation Date: 04/29/2013

Order Details

130333

Origin

Puddledock S-G [2451-132]

Destination

Metric Tons

Draft(Starboard, Stern)

Draft(Starboard, Stern)

Draft(Port, Stern)

Draft(Port, Stern)

Hampton Roads Mooring

External Order Number

1082637

04/29/2013 11:45

32.40 [2.7 ft.]

Cargo Information

Load End Time

Draft(Port,Mid)

Draft(Port, Mid)

Draft(Starboard, Mid)

Draft(Starboard,Mid)

Short Tons

Load # Loaded

White Concrete Sand [31152] 5832 1.725.00

General Information

Barge is Good?

YES

General Comments:

Beginning Drafts (Freeboard)

Ending Drafts (Freeboard)

None

1564 89

140.40 [11.7 ft.]

140.40 [11.7 ft.]

32.40 [2.7 ft.]

32.40 [2.7 ft.]

Loading Information **Load Start Time**

Commodity

31152-White Concrete Sand 140.40 [10.9 ft.] Draft(Starboard, Bow) 130.80 [10.9 ft.]

Draft(Port,Bow)

Draft(Starboard, Bow)

Draft(Port,Bow) 32.40 [2.7 ft] Releasing Information

04/29/2013 Time 11:05

04/29/2013 15:15

Terminal Release

Hampton Roads Mooring

Demurrage Comments

Fleet Arrival Date/Time

Terminal Release Date

Emergency Numbers

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

04/29/2013 15:15

135.60 [11.3 ft.]

135.60 [11.3 ft.]

32.40 [2.7 ft.]

32.40 [2.7 ft.]

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- Read the Material Safety Data Sheet (MSDS) before handling this product to determine the
 appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of
 silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la silice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la silice.

Barge Number: VMC216

Creator Name: Wayne Weaver (weaverw@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 5872

Inspection Report #: 5872

Barge Order #: 130333-2 Bill of Lading #: 7028

Barge Line: ME MARINE BARGE DEPT

Creation Date: 04/30/2013

Order Details

130333

Origin

Puddledock S-G [2451-132]

Destination

Hampton Roads Mooring

External Order Number

1082637

Cargo Information

Load # Loaded

White Concrete Sand [31152] 5872 1.777.50

General Information

Barge is Good?

Load Start Time

YES

General Comments:

None

1612.52

Loading Information

Commodity	31152-White Concrete Sand
Draft(Starboard,Bow)	139.20 [11.0 ft.]
Draft(Port,Bow)	132 00 [11 0 ft]

28.80 [2.5 ft.]

04/30/2013 08:30

Beginning Drafts (Freeboard) Draft(Starboard,Mid) Draft(Port,Mid)

Draft(Port, Mid)

Draft(Starboard,Mid)

Load End Time

Short Tons

135.60 [11.3 ft.] 135.60 [11.3 ft.] Ending Drafts (Freeboard)

30.00 [2.5 ft.]

28.80 [2.4 ft.]

1777.5

04/30/2013 12:15

Draft(Starboard, Stern) Draft(Port, Stern)

Draft(Starboard, Stern)

Draft(Port, Stern)

Metric Tons

139 20 [11.6 ft.] 139.20 [11.6 ft.]

30.00 [2.5 ft.]

28.80 [2.4 ft.]

Draft(Port,Bow)

Releasing Information

Draft(Starboard, Bow)

28.80 [2.4 ft.]

04/30/2013 Time 07:37

04/30/2013 12:15

Terminal Release

Hampton Roads Mooring

Terminal Release Date Demurrage Comments

Fleet Arrival Date/Time

Emergency Numbers

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- Read the Material Safety Data Sheet (MSDS) before handling this product to determine the
 appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of
 silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la silice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la silice.

Barge Number: VMC204

Creator Name: Andy Price (pricea@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 5895

Inspection Report #: 5895

Barge Order #: 130407-5 Bill of Lading #: 7050

Barge Line: ME MARINE BARGE DEPT

Creation Date: 05/01/2013

Order Details

130407

Origin

Puddledock S-G [2451-132]

Destination

Hampton Roads Mooring

External Order Number

1082637

Cargo Information

Load # Loaded

White Concrete Sand [31152] 5895 1.760.07

General Information

None YES General Comments: Barge is Good?

Loading Information

Load Start Time 05/01/2013 12:00 Commodity 31152-White Concrete Sand

Draft(Starboard, Bow) 140.40 [10.9 ft] Draft(Port,Bow) 130.80 [10.9 ft.]

30.00 [2.6 ft.] Draft(Starboard,Bow) 31.20 [2.6 ft.]

Load End Time 05/01/2013 15:00 Short Tons 1760.07 Beginning Drafts (Freeboard)

Draft(Starboard, Mid) Draft(Port,Mid)

Ending Drafts (Freeboard) Draft(Starboard,Mid) 30.00 [2.5 R.] 30.00 [2.5 ft.] Draft(Port, Mid)

Draft(Starboard, Stern) Draft(Port, Stern)

Draft(Starboard, Stern)

Draft(Port, Stern)

Metric Tons

140.40 [11.7 ft.]

30.00 [2.5 ft.]

30.00 [2.5 ft.]

140.40 [11.7 ft.]

1596.71

Draft(Port,Bow)

Releasing Information

Fleet Arrival Date/Time Terminal Release Date Demurrage Comments

05/01/2013 Time 12:00

05/01/2013 15:00

Terminal Release

135.60 [11.3 ft.]

135.60 [11.3 ft.]

Hampton Roads Mooring

Emergency Numbers

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- · Read the Material Safety Data Sheet (MSDS) before handling this product to determine the appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la sílice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la sílice.

Barge Number: VMC202

Creator Name: Andy Price (pricea@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 6195

Inspection Report #: 6195

Barge Order #: 130412-3

Bill of Lading #: 7147 Barge Line: ME MARINE BARGE DEPT

Creation Date: 05/13/2013

Order Details

130412

Origin

Puddledock S-G [2451-132]

Destination

Hampton Roads Mooring

External Order Number

1082637

Cargo Information

Load # Loaded

White Concrete Sand [31152] 6195 1.765 80

General Information

Barge is Good?

YES

General Comments:

None

Loading Information **Load Start Time**

Commodity Draft(Starboard,Bow)	3
Draft(Port,Bow)	

31152-White Concrete Sand 138.00 [10.9 ft]

Short Tons Draft(Starboard, Mid)

05/13/2013 14:30 Load End Time 1765.8 Beginning Drafts (Freeboard)

134.40 [11.2 ft.]

Draft(Starboard, Stern) Draft(Port, Stern)

Metric Tons

138.00 [11.5 ft.]

1601.91

130.80 [10.9 ft.]

Draft(Port,Mid) Ending Drafts (Freeboard)

134.40 [11.2 ft.]

Draft(Starboard, Stern)

138.00 [11.5 ft.]

Draft(Starboard, Bow) Draft(Port,Bow)

30.00 [2.5 ft.] 30.00 [2.5 ft.]

05/13/2013 11:45

Draft(Starboard,Mid) Draft(Port, Mid)

30.00 [2.5 ft.]

30.00 [2.5 ft.]

Draft(Port, Stern)

30.00 [2.5 ft.] 30.00 [2.5 ft.]

Releasing Information

Fleet Arrival Date/Time Terminal Release Date

05/13/2013 Time 11:45 05/13/2013 14:30

Terminal Release

Hampton Roads Mooring

Demurrage Comments

Emergency Numbers

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- · Read the Material Safety Data Sheet (MSDS) before handling this product to determine the appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la sílice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la sílice.

Barge Number: VMC202

Creator Name: Ricky Garris (garrisr@vmcmail.com)

Facility: PN-Port Norfolk

Apex Load #: 6430

Inspection Report #: 6430

Barge Order #: 130426-1

Bill of Lading #: 7256

Barge Line: ME MARINE BARGE DEPT

Creation Date: 05/22/2013

Order Details

130426

Origin

Port Norfolk [2545-141]

Destination

Hampton Roads Mooring

External Order Number

1099811

Cargo Information

Load # Loaded

1.053.49 White Concrete Sand [31152] 6430

General Information

Barge is Good?

Draft(Port,Bow)

Draft(Port,Bow)

YES

General Comments:

None

955.71

Loading Information

Load Start Time Commodity

31152-White Concrete Sand Draft(Starboard, Bow) 139.20 [11.2 ft.]

134.40 [11.2 ft.]

05/22/2013 07:00

72:00 [6.0 ft.] 72.00 [6.0 ft.] Load End Time Short Tons

Draft(Starboard,Mid)

Draft(Port, Mid)

1053.49 Beginning Drafts (Freeboard) Draft(Starboard,Mid) 136.80 [11.4 ft.]

Draft(Port,Mid) 136.80 [11.4 ft.] Ending Drafts (Freeboard)

72.00 [6.0 ft.] 72.00 [6.0 ft.]

05/22/2013 12:00

Draft(Port, Stern) Draft(Starboard, Stern)

Draft(Port, Stern)

Draft(Starboard, Stern)

Metric Tons

72.00 [6.0 ft.] 72.00 [6.0 ft.]

139.20 [11.6 ft.]

139.20 [11.6 ft.]

Releasing Information

Draft(Starboard,Bow)

Fleet Arrival Date/Time

Terminal Release Date Demurrage Comments

05/22/2013 Time 07:00

Terminal Release

Hampton Roads Mooring

Emergency Numbers

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- Read the Material Safety Data Sheet (MSDS) before handling this product to determine the
 appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of
 silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la sílice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la silice.

Barge Number: VMC209

Creator Name: Wayne Weaver (weaverw@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 5629

Inspection Report #: 5629

Barge Order #: 130295-3 Bill of Lading #: 6933

Barge Line: ME MARINE BARGE DEPT

Creation Date: 04/22/2013

Order Details

130295

Origin

Puddledock S-G [2451-132]

Destination

Metric Tons

Draft(Starboard, Stern)

Draft(Starboard, Stern)

Draft(Port, Stern)

Draft(Port, Stern)

Hampton Roads Mooring

External Order Number

1082637

04/22/2013 07:30

132.00 [11.0 ft]

30.00 [2.6 ft.]

30.00 [2.5 ft.]

Cargo Information

Load End Time

Draft(Port,Mid)

Draft(Port, Mid)

Draft(Starboard, Mid)

Draft(Starboard,Mid)

Short Tons

Load # Loaded

White Concrete Sand [31152] 5629 1.756.50

General Information

Barge is Good?

YES

General Comments:

Beginning Drafts (Freeboard)

Ending Drafts (Freeboard)

None

1593.47

139.20 [11.6 ft.]

139.20 [11.6 ft.]

31.20 [2.6 ft.]

30.00 [2.5 ft.]

Loading Information

Load Start Time Commodity Draft(Starboard, Bow)

31152-White Concrete Sand 139.20 [11.0 ft.]

Draft(Port,Bow)

Draft(Starboard, Bow) Draft(Port,Bow)

Releasing Information Fleet Arrival Date/Time

Terminal Release Date Demurrage Comments

04/22/2013 Time 07:30

04/22/2013 10:30

Terminal Release

Hampton Roads Mooring

Emergency Numbers

During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

04/22/2013 10:30

135.60 [11.3 ft.]

135.60 [11.3 ft.]

31.20 [2.6 ft.]

30.00 [2.5 ft.]

1756.5

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- · Read the Material Safety Data Sheet (MSDS) before handling this product to determine the appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la sílice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la sílice.

Barge Inspection Report

Barge Number: VMC207

Creator Name: Wayne Weaver (weaverw@vmcmail.com)

Facility: Puddledock S-G-Puddledock S-G

Apex Load #: 5631

Inspection Report #: 5631

Barge Order #: 130290-1 Bill of Lading #: 6935

Barge Line: ME MARINE BARGE DEPT

Creation Date: 04/22/2013

Order Details

130290

Origin

Puddledock S-G [2451-132]

Destination

Hampton Roads Mooring

External Order Number

1082637

Cargo Information

Load # Loaded

White Concrete Sand [31152] 5631 1,746.00

General Information

Barge is Good?

YES

General Comments:

None

Loading Information **Load Start Time**

Commodity	31152-White Concrete Sand
Draft(Starboard,Bow)	140.40 [10.9 ft.]
Draft(Port,Bow)	130.80 [10.9 ft.]

[10.9 ft.] 130.80 [10.9 ft.]

31.20 [2.6 ft.]

31.20 [2.6 ft.]

04/22/2013 10.45

Draft(Starboard,Mid) Draft(Port,Mid) Draft(Starboard,Mid)

Load End Time

Draft(Port, Mid)

Short Tons

135.60 [11.3 ft.] 135.60 [11.3 ft.]

1746

04/22/2013 13 30

Draft(Starboard, Stern) Draft(Port, Stern)

Metric Tons

140.40 [11.7 ft.] 140.40 [11.7 ft.]

1583.94

Ending Drafts (Freeboard)

Beginning Drafts (Freeboard)

31.20 [2.6 ft.] 31.20 [2.6 ft.]

Draft(Starboard, Stern) Draft(Port, Stern)

31.20 [2.6 ft.]

31.20 [2.6 ft.]

Releasing Information

Draft(Starboard,Bow)

Draft(Port,Bow)

Fleet Arrival Date/Time Terminal Release Date

04/22/2013 Time 10:00

04/22/2013 13:30

Terminal Release

Hampton Roads Mooring

Demurrage Comments

Emergency Numbers During Work Hours, Please Call:

Not Available

After Work Hours, Please Call:

Not Available

Based on Vulcan Materials Company records, you have recently received or transported a shipment of our crushed stone and/or sand and gravel. Please note our product warning below and communicate that warning to your employees and others handling the product.



HEALTH HAZARD WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA



WARNING AVOID BREATHING EXCESSIVE DUST

- Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis.
- Serveral scientific organizations have classified crystalline silica as causing lung cancer in humans.
- · Silicosis or lung cancer can result in permanent injury or death
- · Read the Material Safety Data Sheet (MSDS) before handling this product to determine the appropriate ventiliation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure.

MSDS can be obtained at www.vulcanmaterials.com or by calling 1-800-451-8346.



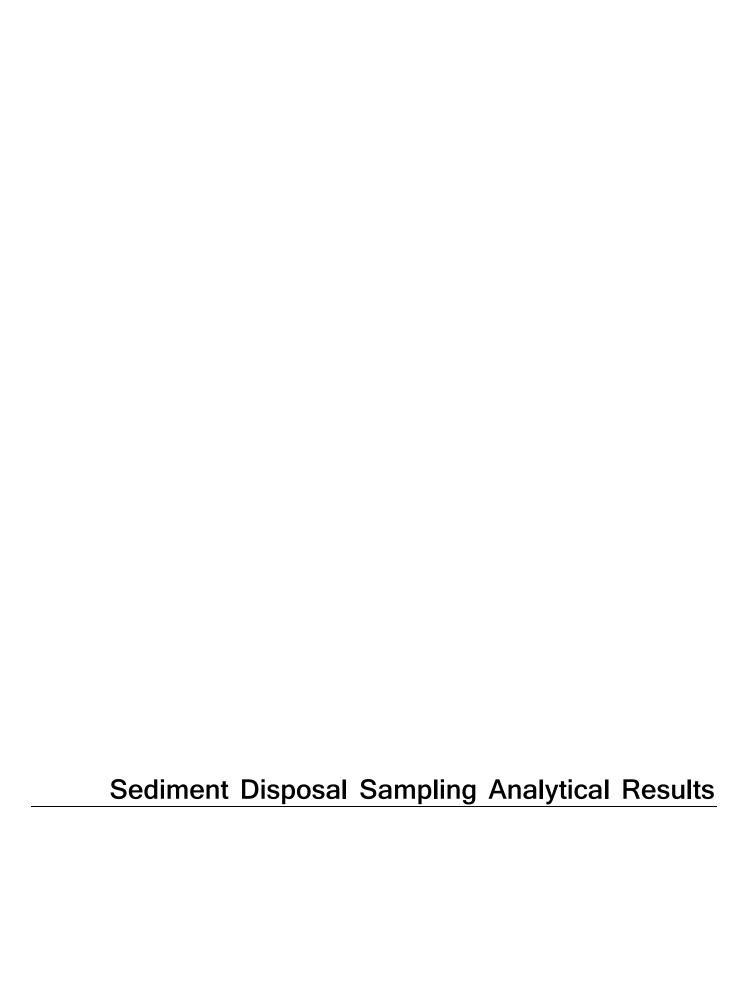
ADVERTENCIA DE PELIGRO A LA SALUD: ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA



ADVERTENCIA DE PELIGRO A LA SALUD. ESTE PRODUCTO CONTIENE SÍLICE CRISTALINA

- Respirar polvo que contenga sílice por periodos prolongados en el trabajo puede causar daño a los pulmones y una enfermedad pulmonar llamada silicosis
- Varias organizaciones científicas han clasificado la sílice cristalina como un causante de cáncer pulmonar en los seres humanos.
- La silicosis o el cáncer pulmonar puede resultar en da
 ño permanente o la muerte.
- Léase la Hoja de Información de Seguridad de Materiales (MSDS) antes de tener contacto con este producto para determinar la ventilación apropriada o la protección respiratoria necesaria para proteger su salud. El reisgo de la silicosis o del cáncer pulmonar depende de la duración y de los niveles de exposición a la sílice.

La MSDS puede obtenerse en www.vulcanmaterials.com o llamando al 1-800-451-8346.





THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-19838-1 Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by: 2/20/2013 4:08:49 PM

Ken Hayes

Project Manager I

ken.hayes@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	10
Chronicle	11
Method Summary	12
Certification Summary	13
Chain of Custody	14
Receipt Checklists	16

6

8

40

11

12

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19838-1

I ah Camula ID	Client Comple ID	Medute	Collected	Dessived
Lab Sample ID	Client Sample ID	Matrix		Received
490-19838-1	LC-2000-2-18-13	Solid	02/18/13 00:01	02/19/13 08:15

3

6

8

9

10

12

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19838-1

Job ID: 490-19838-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-19838-1

Comments

No additional comments.

Receipt

The sample was received on 2/19/2013 8:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

Except:

The following sample(s) was received at the laboratory without a sample collection time documented on the chain of custody: LC-2000-2-18-13 (490-19838-1). As a result, a sample collection time of 00:01 on the date of collection was used.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 59652 was outside control limits. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision met acceptance criteria.

Method(s) 8015B: Due to the high concentration of c10-c28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 59652 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. (490-19838-1 MS)

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Δ

4

6

7

8

9

1 1

14

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19838-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not
E	applicable. Result exceeded calibration range.
F	RPD of the MS and MSD exceeds the control limits

Glossary

QC

RER

RPD

TEF TEQ

RL

Quality Control

Relative error ratio

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

<u> </u>	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
\(\psi \)	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19838-1

Client Sample ID: LC-2000-2-18-13

Lab Sample ID: 490-19838-1 Date Collected: 02/18/13 00:01 Matrix: Solid

Date Received: 02/19/13 08:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.7	3.1	mg/Kg		02/19/13 12:12	02/19/13 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	107		50 - 150				02/19/13 12:12	02/19/13 15:28	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	• , ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	190		4.9	1.4	mg/Kg		02/19/13 13:03	02/19/13 23:44	1
Diesel Range Organics [C10-C28] Surrogate	190 %Recovery	Qualifier	4.9 Limits	1.4	mg/Kg		02/19/13 13:03 Prepared	02/19/13 23:44 Analyzed	Dil Fac
		Qualifier		1.4	mg/Kg				Dil Fac
Surrogate o-Terphenyl (Surr)	%Recovery	Qualifier	Limits	1.4	mg/Kg		Prepared	Analyzed	Dil Fac
Surrogate		Qualifier Qualifier	Limits	1.4 RL	mg/Kg Unit	D	Prepared	Analyzed	Dil Fac

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19838-1

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-59512/10 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59512

мв мв RL MDL Unit Result Qualifier D Analyzed Dil Fac Analyte Prepared GRO (C6-C10) 5.0 02/19/13 14:13 ND 3.3 mg/Kg

MB MB

Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 50 - 150 02/19/13 14:13 a,a,a-Trifluorotoluene 106

Lab Sample ID: LCS 490-59512/6

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59512

LCS LCS Spike %Rec. Added Result Qualifier Unit Limits Analyte %Rec GRO (C6-C10) 1.00 103 70 - 130 1.03 mg/Kg

LCS LCS

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 108

Lab Sample ID: LCSD 490-59512/41

Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 59512

LCSD LCSD RPD Spike %Rec. Added Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) 1.00 0.975 98 70 - 130 5 21 mg/Kg

LCSD LCSD

Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 113 50 - 150

Lab Sample ID: 490-19507-F-1 DU **Client Sample ID: Duplicate**

Matrix: Solid

Analysis Batch: 59512

Sample Sample DU DU Analyte Result Qualifier Result Qualifier Unit D **RPD** Limit GRO (C6-C10) 1.05 mg/Kg 21

DU DU

%Recovery Surrogate Qualifier Limits a,a,a-Trifluorotoluene 98 50 - 150

Lab Sample ID: 490-19839-A-1-A MS

Matrix: Solid

Analysis Batch: 59512 Sample Sample Spike MS MS %Rec.

Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits GRO (C6-C10) ND 41.7 45.1 mg/Kg 108 56 - 130

MS MS

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 117

TestAmerica Nashville

Prep Type: Total/NA

Prep Type: Total/NA

RPD

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 59636

TestAmerica Job ID: 490-19838-1

Client: Bay Environmental Inc Project/Site: Little Creek

o-Terphenyl (Surr)

Lab Sample ID: 490-19838-1 MSD

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 490-19839-A-1 Matrix: Solid Analysis Batch: 59512	-A MSD					Cli	ient Sa	ample ID	•	oike Dup ype: Tot Batch:	al/NA
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)	ND		41.7	45.8		mg/Kg		110	56 - 130	NC	21
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
a,a,a-Trifluorotoluene	123		50 - 150								

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-59652/1	I-A						Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: T	otal/NA
Analysis Batch: 59596								Prep Batch	n: 59652
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.0	1.4	mg/Kg		02/19/13 13:03	02/19/13 23:12	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	77	-	50 - 150				02/19/13 13:03	02/19/13 23:12	1

Lab Sample ID: LCS 490-59652/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Analysis Batch: 59596 Prep Batch: 59652 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits 40.0 30.8 mg/Kg 77 54 - 130 Diesel Range Organics [C10-C28] LCS LCS Surrogate %Recovery Qualifier Limits

Lab Sample ID: 490-19838-1 MS Client Sample ID: LC-2000-2-18-13 **Matrix: Solid** Prep Type: Total/NA

50 - 150

Analysis Batch: 59596 Prep Batch: 59652 Sample Sample Spike MS MS %Rec.

Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics	190		39.4	81.1	4	mg/Kg		-272	10 - 142
[C10-C28]	***	***							
	MS	MS							

Surrogate	%Recovery Qualifier	Limits
o-Terphenyl (Surr)	65	50 - 150

88

Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 59596									Prep	Batch:	59652
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics	190		39.9	229	E4F	mg/Kg		103	10 - 142	96	47
[C10-C28]											

TestAmerica Nashville

Client Sample ID: LC-2000-2-18-13

Page 8 of 16

2/20/2013

QC Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19838-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 490-19838-1 MSD

Matrix: Solid

Analysis Batch: 59596

Client Sample ID: LC-2000-2-18-13

Client Sample ID: LC-2000-2-18-13

Prep Type: Total/NA Prep Batch: 59652

MSD MSD

Absent

Surrogate %Recovery Qualifier o-Terphenyl (Surr) 60

Limits 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-19838-1 DU

Matrix: Solid

Analyte

Free Liquid

Analysis Batch: 59870

Sample Sample DU DU

Result Qualifier

Result Qualifier Absent

Unit NONE

RPD

NC

Prep Type: Total/NA

RPD

Limit

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19838-1

GC VOA

Analysis Batch: 59512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19507-F-1 DU	Duplicate	Total/NA	Solid	8015B	
490-19838-1	LC-2000-2-18-13	Total/NA	Solid	8015B	59636
490-19839-A-1-A MS	Matrix Spike	Total/NA	Solid	8015B	59636
490-19839-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	59636
LCS 490-59512/6	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-59512/41	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-59512/10	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 59636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19838-1	LC-2000-2-18-13	Total/NA	Solid	5030B	
490-19839-A-1-A MS	Matrix Spike	Total/NA	Solid	5030B	
490-19839-A-1-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 59596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19838-1	LC-2000-2-18-13	Total/NA	Solid	8015B	59652
490-19838-1 MS	LC-2000-2-18-13	Total/NA	Solid	8015B	59652
490-19838-1 MSD	LC-2000-2-18-13	Total/NA	Solid	8015B	59652
LCS 490-59652/2-A	Lab Control Sample	Total/NA	Solid	8015B	59652
MB 490-59652/1-A	Method Blank	Total/NA	Solid	8015B	59652

Prep Batch: 59652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19838-1	LC-2000-2-18-13	Total/NA	Solid	3550B	
490-19838-1 MS	LC-2000-2-18-13	Total/NA	Solid	3550B	
490-19838-1 MSD	LC-2000-2-18-13	Total/NA	Solid	3550B	
LCS 490-59652/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-59652/1-A	Method Blank	Total/NA	Solid	3550B	

General Chemistry

Analysis Batch: 59870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19838-1	LC-2000-2-18-13	Total/NA	Solid	9095B	
490-19838-1 DU	LC-2000-2-18-13	Total/NA	Solid	9095B	

2

4

R

9

10

1:

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19838-1

Client Sample ID: LC-2000-2-18-13

Date Collected: 02/18/13 00:01 Date Received: 02/19/13 08:15 Lab Sample ID: 490-19838-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			59636	02/19/13 12:12	ML	TAL NSH
Total/NA	Analysis	8015B		1	59512	02/19/13 15:28	ВН	TAL NSH
Total/NA	Prep	3550B			59652	02/19/13 13:03	AK	TAL NSH
Total/NA	Analysis	8015B		1	59596	02/19/13 23:44	JL	TAL NSH
Total/NA	Analysis	9095B		1	59870	02/20/13 11:40	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

6

9

10

11

12

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19838-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

_

3

4

5

7

8

IU

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19838-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Colorado	State Program	8	N/A	02-28-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program		84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-13
Wisconsin	State Program	5 5	998020430	08-31-13
Wyoming (UST)	A2LA		453.07	12-31-13

COOLER RECEIPT FORM

All bearings.
1 1 2 8 0 2 5 7 C 2 7 C
100 10039 Chain of Custody
too toogo Chain of Custod

Cooler Received/Opened On: 02/19/13 @ 0815

	0825	0 4 4 15 14 15 15 15 15	
Tracking #	150)	(last 4 digits, FedEx)	

Tracking #	4 digita, redex)	AG AL MONTH AND THE
Courier: Fed Ex IR Gun ID: 95610068		
1. Temperature of rep. sample or temp bl	ank when opened: 15 Degrees Celsius	^
3. If Item #2 temperature is 0°C or less, wa	as the representative sample or temp blank frozen?	YES NO. NA
4. Were custody seals on outside of coole	ar?	YESNONA
If yes, how many and where:	Front	
5. Were the seals intact, signed, and dated	d correctly?	YES NONA
6. Were custody papers inside cooler?		YES NO NA
1. Temperature of rep. sample or temp blank when opened:		N
7. Were custody seals on containers:	YES NO and Intact	YES NO THE
Were these signed and dated correctly?	?	YESNONA
8. Packing mat'l used? Bubblewrap Plas	stic bag Peanuts Vermiculite Foam Insert Pape	er Other None
9. Cooling process:	(Ice Ice-pack Ice (direct contact) Dry ice	e Other None
10. Did all containers arrive in good condi	ition (unbroken)?	ES.NONA
11. Were all container labels complete (#,	date, signed, pres., etc)?	YES NO NA
12. Did all container labels and tags agree	with custody papers?	YES NO NA
13a. Were VOA vials received?		YES. NO.NA
b. Was there any observable headspace	e present in any VOA vial?	YESNO. NA
14. Was there a Trip Blank in this cooler?	YESNONA If multiple coolers, sequen	ice# No
I certify that I unloaded the cooler and ans	swered questions 7-14 (intial)	0
15a. On pres'd bottles, did pH test strips s	suggest preservation reached the correct pH level?	YES NO . CNA
b. Did the bottle labels indicate that the	e correct preservatives were used	VES NO NA
16. Was residual chlorine present?		YESNO. (NA
I certify that I checked for chlorine and pH	as per SOP and answered questions 15-16 (intial)	0
17. Were custody papers properly filled or	ut (ink, signed, etc)?	NES.).NONA
18. Did you sign the custody papers in the	e appropriate place?	WES NO NA
19. Were correct containers used for the a	analysis requested?	YESNONA
20. Was sufficient amount of sample sent	in each container?	YES NO NA
I certify that I entered this project into LIM	S and answered questions 17-20 (Intial)	0
I certify that I attached a label with the union	que LIMS number to each container (intial)	F
21 Were there Non-Conformance issues	at login? VES NO Was a NCM generated? VES	NO#

Chain of Custody Record

Test/	America
THE LEADER IN	ENVIRONMENTAL TESTING

2/20/2013

Page 15 of 16

Test	Regulat	ory program:			w [□ N	PDES			RCRA			Othe	r						_		INE	LEADER IN ENVIR	CONMENTAL	ESTING
Client Contact Company Name:	Client Project M		-26			Site C	Contact	t:	_					Ls	b Cor	rtaet:			_			7	COC No:	Laboratori	es, Inc.
Company Name: Bay Environmental Inc. Address: 648 Independence Play \$100	Telephone:	(26-9	900			1	hone:		Telephone:						lephone:				of	co	Cs				
City/State/Zip:	Timely	ky envi	runy	renk	l-con			slysis l	_		I inte				Analyses						i da de la composition della c				
Phone: 757 - 436 - 5400 Project Name: 6	Method of Ship	ment/Carrier:					TAT if	different		3 week							۵						Wellengeler Winder		
Liffle Creek Project Number:	100	ing/Tracking No:				i week					Name of	7100								ol SPS do					
PO#				Matr	ix 13.5		· S Co	ontainer	10000	i day	tives		Sample ()	6	A 1 -	0	1 +								
Sample Identification	Sample Date	Sample Time	Air	Sediment	Solid	112504	HNO3	нсі	NaOis	ZaAc/ NaOH	Unpres	Others	11 Decred			C	Za'r							Specific Not I Instruction	
LC-2000 - 2-18-13	2/18/13			×											(1								
		-	H	+	+		5						H	+	+	+		+			+		-		
	-				,								H		1		1	1	-		T	L	oc: 490 19838		
V-	50	10	0			1)	C	1	2	Y	0 (1	1	1		V	1	,				9038		
	6	VI	0	4		+	0						\mathbb{H}	+	9	-	1			H			1		
V	17													İ	1		+								
Possible Hazard Identification Non-Hazard Flammable Skin	a Irritant F	Poison B	Ц	Ш	Unknown	Sa	mple I	Disposa Return	al (A f	ee ma	y be a	ssessed	if samp	les ar	e reta	ined I	onger i	han 1 i	nonth)			Month	ś		
Special Instructions/QC Requirements & Comments:		HR		7	y -	_					7	,			1	1									
Relinquished W. Const. Co.	ComBi			ate/Tin	-	- (110		Recei	hed by	1	1	1	_	1		_	Co	mpany:	TY	4		118/3	100	15
Relinquished by (LAM) Non	Company:	9		ate/Tim	8/13		60		Recep	icd by	1	7		1)	1	5	Co	mpany:	TH	1		pate/fime:	1-13	25:15
Relinquished by:	Company;		D	ate Tim	1	1			Recei	vetria	Labo	alory	by:					Co	mpany:				Date/Time:		

Login Sample Receipt Checklist

Client: Bay Environmental Inc Job Number: 490-19838-1

Login Number: 19838 List Source: TestAmerica Nashville

List Number: 1 Creator: Ford, Easton

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

2

4

_

9

4 4

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-19839-1

TestAmerica Sample Delivery Group: 12-167

Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

Authorized for release by 2/22/2013 4:13:49 PM

Ken Hayes Project Manager I

ken.hayes@testamericainc.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1 SDG: 12-167

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	9
Chronicle	10
Method Summary	11
Certification Summary	12
Chain of Custody	13
Receipt Checklists	15

5

0

8

9

10

12

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-19839-1	LC-2000-2-18-2013-2	Solid	02/18/13 03:40	02/19/13 08:15

3

4

5

9

10

15

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Job ID: 490-19839-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-19839-1

Comments

No additional comments.

Receipt

The sample was received on 2/19/2013 8:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Matrix spikes for batch 59910 were not analyzed due to sample matrix interferences which required sample dilution. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

1

4

6

7

8

1 1

12

11:

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Glossary

TEF

TEQ

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
₩	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Client Sample ID: LC-2000-2-18-2013-2

Date Collected: 02/18/13 03:40 Date Received: 02/19/13 08:15 Lab Sample ID: 490-19839-1

Matrix: Solid

Method: 8015B - Gasoline Range	Organics - (G	C)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.2	2.8	mg/Kg		02/19/13 12:12	02/19/13 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	114		50 - 150				02/19/13 12:12	02/19/13 16:52	1
_ Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	• , ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	82		4.9	1.4	mg/Kg		02/20/13 13:39	02/21/13 17:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	71		50 - 150				02/20/13 13:39	02/21/13 17:51	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	Absent		0.10	0.10	NONE			02/20/13 11:40	1

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19839-1

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-59512/10 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59512

мв мв Result Qualifier RL MDL Unit D Analyzed Dil Fac Analyte Prepared GRO (C6-C10) 5.0 02/19/13 14:13 ND 3.3 mg/Kg

MB MB

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 50 - 150 02/19/13 14:13 a,a,a-Trifluorotoluene 106

Lab Sample ID: LCS 490-59512/6

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59512

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit Limits %Rec GRO (C6-C10) 1.00 103 70 - 130 1.03 mg/Kg

LCS LCS

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 108

Lab Sample ID: LCSD 490-59512/41

Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 59512

LCSD LCSD RPD Spike %Rec. Added Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) 1.00 0.975 98 70 - 130 5 21 mg/Kg

LCSD LCSD

Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 113 50 - 150

Lab Sample ID: 490-19507-F-1 DU **Client Sample ID: Duplicate** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 59512

DU DU RPD Sample Sample Analyte Result Qualifier Result Qualifier Unit D **RPD** Limit GRO (C6-C10) 1.05 mg/Kg 21

DU DU

%Recovery Surrogate Qualifier Limits a,a,a-Trifluorotoluene 98 50 - 150

Lab Sample ID: 490-19839-1 MS

a,a,a-Trifluorotoluene

Client Sample ID: LC-2000-2-18-2013-2 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59512 Prep Batch: 59636

Sample Sample Spike MS MS %Rec. Result Qualifier Added Limits

Analyte Result Qualifier Unit %Rec GRO (C6-C10) ND 41.7 45.1 mg/Kg 108 56 - 130

50 - 150

MS MS

117

Surrogate %Recovery Qualifier Limits

TestAmerica Nashville

Prep Type: Total/NA

-1 67

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: 490-19839-1 M Matrix: Solid Analysis Batch: 59512	SD						Client	Sample	•	00-2-18-2 ype: Tot Batch:	tal/NA
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)	ND		41.7	45.8		mg/Kg		110	56 - 130	NC	21
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
a,a,a-Trifluorotoluene	123		50 - 150								

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-59910/1-A Matrix: Solid Analysis Batch: 59927	МВ	мв				Client Sa	mple ID: Metho Prep Type: T Prep Batch	otal/NA
Analyte Diesel Range Organics [C10-C28]		Qualifier	RL	 Unit mg/Kg	<u>D</u>	Prepared 02/20/13 13:39	Analyzed 02/20/13 22:36	Dil Fac
	МВ	MB		 99				D# 5
Surrogate o-Terphenyl (Surr)	%Recovery 82	Qualifier	Limits 50 - 150			Prepared 02/20/13 13:39	Analyzed 02/20/13 22:36	Dil Fac

Lab Sample ID: LCS 490-59	910/2-A						Client	t Sample	ID: Lab C	ontrol Sample
Matrix: Solid									Prep T	ype: Total/N
Analysis Batch: 59927									Prep	Batch: 5991
-			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]			40.0	33.7		mg/Kg		84	54 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
o-Terphenyl (Surr)	91		50 - 150							

Method: 9095B - Paint Filter

Lab Sample ID: 490-19838-A-1 DU

Matrix: Solid							Prep T	ype: To	tal/NA
Analysis Batch: 59870									
	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Free Liquid	Absent		Absent		NONE			NC	

Client Sample ID: Duplicate

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-19839-1

SDG: 12-167

GC VOA

Analysis Batch: 59512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19507-F-1 DU	Duplicate	Total/NA	Solid	8015B	_
490-19839-1	LC-2000-2-18-2013-2	Total/NA	Solid	8015B	59636
490-19839-1 MS	LC-2000-2-18-2013-2	Total/NA	Solid	8015B	59636
490-19839-1 MSD	LC-2000-2-18-2013-2	Total/NA	Solid	8015B	59636
LCS 490-59512/6	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-59512/41	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-59512/10	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 59636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19839-1	LC-2000-2-18-2013-2	Total/NA	Solid	5030B	
490-19839-1 MS	LC-2000-2-18-2013-2	Total/NA	Solid	5030B	
490-19839-1 MSD	LC-2000-2-18-2013-2	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 59910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19839-1	LC-2000-2-18-2013-2	Total/NA	Solid	3550B	
LCS 490-59910/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-59910/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 59927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-59910/2-A	Lab Control Sample	Total/NA	Solid	8015B	59910
MB 490-59910/1-A	Method Blank	Total/NA	Solid	8015B	59910

Analysis Batch: 60157

Lab Sample ID			Matrix	Method	Prep Batch
490-19839-1	LC-2000-2-18-2013-2	Total/NA	Solid	8015B	59910

General Chemistry

Analysis Batch: 59870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19838-A-1 DU	Duplicate	Total/NA	Solid	9095B	
490-19839-1	LC-2000-2-18-2013-2	Total/NA	Solid	9095B	

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Client Sample ID: LC-2000-2-18-2013-2

Date Collected: 02/18/13 03:40 Date Received: 02/19/13 08:15 Lab Sample ID: 490-19839-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			59636	02/19/13 12:12	ML	TAL NSH
Total/NA	Analysis	8015B		1	59512	02/19/13 16:52	ВН	TAL NSH
Total/NA	Prep	3550B			59910	02/20/13 13:39	JR	TAL NSH
Total/NA	Analysis	8015B		1	60157	02/21/13 17:51	JL	TAL NSH
Total/NA	Analysis	9095B		1	59870	02/20/13 11:40	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

7

9

41

12

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

ı

6

7

0

10

11

12

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-19839-1

SDG: 12-167

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Dat
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Colorado	State Program	8	N/A	02-28-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal	· · · · · · · · · · · · · · · · · · ·	S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-13
Wisconsin	State Program	5 5	998020430	08-31-13
Wyoming (UST)	A2LA		453.07	12-31-13

4

6

8

9

11

12

COOLER RECEIPT FOR

Nashville, TN

Cooler Received/Opened On: 02/19/13 @ 0815

(last 4 digits, FedEx)

Courier: Fed Ex IR Gun ID: 95610068

1. Temperature of rep. sample or temp blank when opened:

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO. (NA

4. Were custody seals on outside of cooler?

If yes, how many and where:

5. Were the seals intact, signed, and dated correctly?

6. Were custody papers inside cooler?

I certify that I opened the cooler and answered questions 1-6 (intial)

7. Were custody seals on containers:

Were these signed and dated correctly?

8. Packing mat'l used? Rubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

YES

9. Cooling process:

Ice Ice-pack Ice (direct contact)

(NO

and Intact

10. Did all containers arrive in good condition (unbroken)?

11. Were all container labels complete (#, date, signed, pres., etc)?

12. Did all container labels and tags agree with custody papers?

13a. Were VOA vials received?

b. Was there any observable headspace present in any VOA vial?

14. Was there a Trip Blank in this cooler?

YES...NO(.NA)

If multiple coolers, sequence #_

I certify that I unloaded the cooler and answered questions 7-14 (intial)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO. NA

b. Did the bottle labels indicate that the correct preservatives were used

16. Was residual chlorine present?

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Intial)

17. Were custody papers properly filled out (ink, signed, etc)?

18. Did you sign the custody papers in the appropriate place?

19. Were correct containers used for the analysis requested?

20. Was sufficient amount of sample sent in each container?

I certify that I entered this project into LIMS and answered questions 17-20 (intial)

I certify that I attached a label with the unique LIMS number to each container (intial)

21. Were there Non-Conformance issues at login? YES...(0) Was a NCM generated? YES. (NO).#

Virginia Beach

490-19839 Chain of Custody

YES ... NO ... NA

..NO...NA

.NO...NA

NO NA YES

YES...NO.(.NA

Other None

YES. NO...NA

NO...NA

YES .. NO ... NA

YES. (NO...NA

VES NO...NA

YES...NO. NA

YES NO ... NA

YES. NO...NA

ES, NO...NA

YES NO ... NA

Chain	of	Custody	Record

Test	America Labor								_		-	_		_			_	_			THE	LEADER I	N ENVIRONMENTA	L TESTING
Client Contact	Regula	tory program	i;	D	W	□ N	PDES		F	RCRA			Other	-				-	_			TestAn	erica Laborat	ories. Inc
Company Name: BAY ENVIRONMENTAL INC.	Client Project Manager: Site							i.							Conta	ct:				COC No:				
Address: POBov 2166	757 816 4917 Telep						hone:	one:								Telephone:							of	COCs
POBOX 2466 City/State/Zip: CHESAPEAKE VA 23327 Phone:	Email:	bay-en	4	inen	tal a		Ana	llysis I i	urnar BUS da	ound I	ime			10000			A	nalys	es				rus Gily	
151 1265700	1.00	1			100			fifferent fi			44					2			V			ivale Mor	medan (
Project Name: De Cattoria Little CRACK	Method of Ship	oment/Carrier:] ':	Z weeks	1			00	0	11.72						<u>(a)</u> s	epting [
17 - 167	Shipping/Trac	king No:					^		-	2 days 1 day	-1			2	5	1		1					C No.	
PO#				Matr	ix see	4,4	, Co	ntidaers	sid Pr	eservati	VESI [®] N		d Sampl	110	#	3		1						
Sample Identification .	Sample Date	Sample Time	Ale.	Sedimen	Other:	H2SO4	HNO3	нСі	NuOH	ZnAr/ NaOH	Unpres		Comile	4	ľ	0							ample Specific Special Instruct	
LC-2000-2-18-2013-2	2/18/13	0340	П	X							χ.	3	- C	- 1	-1	1								
					1	L					-											1		
			H	++	#-	-				4	+	4		F	-	\vdash			: 490		+	-		
			H	+	H	+		-	-	+	+	-	+	H	-	+		18	83	9	-	+		
	-		$^{+}$	+	+-	+		+	+	+	+	-1	+	\vdash	H	\vdash				+	+	+		-
			H			-				H	+					H	1	1	1	1	-	+		
			\dagger	+	+						1			H			+		+			+		_
			Ħ	11										T										
									-													1		
	n Irritant	Poison I	3		Unknown			isposal leturn to					sample sal By			d longer Arch)		Month	ıs		
Special Instructions/QC Requirements & Comments:	177	7									1		_/	/	/							,		
Relinquished by:	Company:	y ENI	/ 1	Date/Time	1/201	3	144	5	Receiv	ed by	1,	٠	-	>	w	^	Co	ompany	1: 1	A		2 03/9/2	Sime/13	144
Relinguished by San	Company:	A	D	aterTime	R	,	160	1 8	Recei	ed by	7	2	> /	1	1.		Co	ompany	74	v)		Date/	A -	08:15
Relinquished by:	Company:	J	D	ate/Tinje					Receiv	ed in t	aborat	ory by	: 6	_	-1		Co	ompany	-			Date/I		30.13
										_	_		_			_			_			_		

Login Sample Receipt Checklist

Client: Bay Environmental Inc

Job Number: 490-19839-1

SDG Number: 12-167

Login Number: 19839 List Source: TestAmerica Nashville

List Number: 1 Creator: Ford, Easton

oreator. Foru, Eastori		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
here are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
here is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

4

F

6

2

9

11

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-20110-1 Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

Authorized for release by: 2/27/2013 9:50:03 AM

Ken Hayes

Project Manager I

ken.hayes@testamericainc.com

..... LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20110-1

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	9
Chronicle	10
Method Summary	11
Certification Summary	12
Chain of Custody	13
Receipt Checklists	15

5

ð

10

11

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20110-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-20110-1	LC-2000-2-18-13	Solid	02/20/13 13:30	02/21/13 08:45

3

6

Q

9

10

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20110-1

Job ID: 490-20110-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-20110-1

Comments

No additional comments.

Receipt

The sample was received on 2/21/2013 8:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 60502.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

1

5

6

Ö

11

12

1:

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20110-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

RL

RPD

TEF

TEQ

Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Relative Percent Difference, a measure of the relative difference between two points

Abbreviation	These commonly used abbreviations may or may not be present in this report.	
\$	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CNF	Contains no Free Liquid	
DER	Duplicate error ratio (normalized absolute difference)	
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision level concentration	
EDL	Estimated Detection Limit	
EPA	United States Environmental Protection Agency	
MDA	Minimum detectable activity	
MDC	Minimum detectable concentration	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
ND	Not detected at the reporting limit (or MDL or EDL if shown)	
PQL	Practical Quantitation Limit	
QC	Quality Control	
RER	Relative error ratio	

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

Date Collected: 02/20/13 13:30

Date Received: 02/21/13 08:45

Client Sample ID: LC-2000-2-18-13

TestAmerica Job ID: 490-20110-1

Lab Sample ID: 490-20110-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.2	2.8	mg/Kg		02/22/13 10:45	02/25/13 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150				02/22/13 10:45	02/25/13 18:56	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.1	J	5.0	1.4	mg/Kg		02/22/13 11:17	02/24/13 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate o-Terphenyl (Surr)	%Recovery	Qualifier	Limits 50 - 150				Prepared 02/22/13 11:17	Analyzed 02/24/13 16:51	Dil Fac
o-Terphenyl (Surr)		Qualifier							Dil Fac
	68	Qualifier Qualifier		RL	Unit	D			Dil Fac

Client: Bay Environmental Inc Project/Site: Little Creek

Surrogate

a,a,a-Trifluorotoluene

TestAmerica Job ID: 490-20110-1

Method: 8015B	- Gasoline	Range	Organics -	(GC)
---------------	------------	-------	------------	------

Lab Sample ID: 490-20124- Matrix: Solid Analysis Batch: 60793	D-12-A MS							Client	Prep 1	D: Matrix Spike Type: Total/NA D Batch: 60488
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
GRO (C6-C10)	ND		363	376		mg/Kg		103	56 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
a,a,a-Trifluorotoluene			50 - 150							

Lab Sample ID: 490-20124-D-1 Matrix: Solid Analysis Batch: 60793	D-12-A MSD					CI	ient S	ample II	Prep T	Matrix Spike Duplicate Prep Type: Total/NA Prep Batch: 60488	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)	ND		363	365		mg/Kg		101	56 - 130	3	21
	MSD	MSD									

Limits

50 - 150

Lab Sample ID: MB 490-60793/7 Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Analysis Batch: 60793

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	3.3	mg/Kg			02/25/13 13:25	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	115		50 - 150			_		02/25/13 13:25	

Lab Sample ID: LCS 490-60793/5 Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 60793 Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits GRO (C6-C10) 10.0 11.1 mg/Kg 111 70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits

%Recovery Qualifier

124

a,a,a- i rifluorotoluene	128	50 - 150	
Lab Sample ID: LCSD 490-60793/38			Client Sample ID: Lab Control Sample Dup
Matrix: Solid			Prep Type: Total/NA
Analysis Batch: 60793			

		Spike	LCSD	LCSD				%Rec.		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)		10.0	12.1		mg/Kg		121	70 - 130	8	21
	LCSD LCSD									

%Recovery Qualifier Limits Surrogate a,a,a-Trifluorotoluene 127 50 - 150

TestAmerica Nashville

QC Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20110-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-60502/1-A

Matrix: Solid

Analysis Batch: 60768

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 60502

мв мв RL MDL Unit

Analyte Result Qualifier Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] 5.0 1.4 mg/Kg 02/22/13 11:17 02/24/13 15:46 ND

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 02/24/13 15:46 50 - 150 o-Terphenyl (Surr) 94

02/22/13 11:17

Lab Sample ID: LCS 490-60502/2-A

Matrix: Solid

Analysis Batch: 60768

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 60502

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits 40.0 89 54 - 130 35.5 mg/Kg Diesel Range Organics

[C10-C28]

LCS LCS

Limits Surrogate %Recovery Qualifier

50 - 150 o-Terphenyl (Surr) 96

Method: 9095B - Paint Filter

Lab Sample ID: 490-19968-E-1 DU **Client Sample ID: Duplicate** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 61133

Sample Sample DU DU RPD Result Qualifier RPD Limit Analyte Result Qualifier Unit D

Free Liquid Absent Absent NONE NC

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20110-1

GC VOA

Prep Batch: 60488

l	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	490-20124-D-12-A MS	Matrix Spike	Total/NA	Solid	5030B	
١	490-20124-D-12-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

Prep Batch: 60489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20110-1	LC-2000-2-18-13	Total/NA	Solid	5030B	

Analysis Batch: 60793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20110-1	90-20110-1 LC-2000-2-18-13		Solid	8015B	60489
490-20124-D-12-A MS	Matrix Spike	Total/NA	Solid	8015B	60488
490-20124-D-12-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	60488
LCS 490-60793/5	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-60793/38	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-60793/7	Method Blank	Total/NA	Solid	8015B	

GC Semi VOA

Prep Batch: 60502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20110-1	LC-2000-2-18-13	Total/NA	Solid	3550B	
LCS 490-60502/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-60502/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 60768

Lab Sample ID	Client Sample ID	Prep Type Matrix		Method	Prep Batch
490-20110-1	LC-2000-2-18-13	Total/NA	Solid	8015B	60502
LCS 490-60502/2-A	Lab Control Sample	Total/NA	Solid	8015B	60502
MB 490-60502/1-A	Method Blank	Total/NA	Solid	8015B	60502

General Chemistry

Analysis Batch: 61133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-19968-E-1 DU	Duplicate	Total/NA	Solid	9095B	
490-20110-1	LC-2000-2-18-13	Total/NA	Solid	9095B	

2/27/2013

Page 9 of 15

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20110-1

Lab Sample ID: 490-20110-1

Matrix: Solid

Client Sample ID: LC-2000-2-18-13

Date Collected: 02/20/13 13:30 Date Received: 02/21/13 08:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			60489	02/22/13 10:45	ML	TAL NSH
Total/NA	Analysis	8015B		1	60793	02/25/13 18:56	ВН	TAL NSH
Total/NA	Prep	3550B			60502	02/22/13 11:17	AK	TAL NSH
Total/NA	Analysis	8015B		1	60768	02/24/13 16:51	GH	TAL NSH
Total/NA	Analysis	9095B		1	61133	02/26/13 10:26	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20110-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

6

3

4

5

b

8

9

10

11

1:

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20110-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Dat
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Colorado	State Program	8	N/A	02-28-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

4

5

7

9

10

4.0



COOLER RECEIPT F



490-20110 Chain of Custody

Cooler Received/Opened On; 2/2	1/2013 @ <u>0845</u>		
1. Tracking # 0696	(last 4 digits, FedEx)	
Courier: Fed-Ex	IR Gun ID: 14740456		
2. Temperature of rep. sample o	r temp blank when opened:	O1 + Degrees Cels	ius
3. If Item #2 temperature is 0°C o	or less, was the representativ	e sample or temp blank fr	ozen? YES NONA
4. Were custody seals on outside	e of cooler?		WES NO NA
If yes, how many and where:_		Front	
5. Were the seals intact, signed,	and dated correctly?		VES NONA
6. Were custody papers inside co	ooler?		VES NO NA
I certify that I opened the cooler a	and answered questions 1-6	(intial)	F.
7. Were custody seals on contain	ners: YES	and Intact	YESNONA
Were these signed and dated of	correctly?		YESNO. NA
8. Packing mat'l used? (Bubblew	rap Plastic bag Peanuts	Vermiculite Foam Insert	Paper Other None
9. Cooling process:	(ice) Ice-pack	k Ice (direct contact)	Dryice Other None
10. Did all containers arrive in go	ood condition (unbroken)?		VESNONA
11. Were all container labels com	nplete (#, date, signed, pres.,	, etc)?	YES).NONA
12. Did all container labels and ta	ags agree with custody pape	ers?	YES .NONA
13a. Were VOA vials received?			EF ESONO.NA
b. Was there any observable h	eadspace present in any VO	A vial?	-27-13 YESNONA
14. Was there a Trip Blank in this	s cooler? YESNON	If multiple coolers, se	equence # NA
certify that I unloaded the cooler	r and answered questions 7-	-14 (intial)	5
15a. On pres'd bottles, did pH tes	st strips suggest preservation	on reached the correct pH	level? YESNONA
b. Did the bottle labels indicat	te that the correct preservati	ves were used	VES NONA
16. Was residual chlorine presen	it?		YESNONA
I certify that I checked for chloring	e and pH as per SOP and an	swered questions 15-16 (i	ntial)
17. Were custody papers properl	y filled out (ink, signed, etc)	?	VESNONA
18. Did you sign the custody pap	pers in the appropriate place	?	YES.,NONA
19. Were correct containers used	t for the analysis requested?	7	YESNONA
20. Was sufficient amount of san	nple sent in each container?		YES NO NA
certify that I entered this project	into LIMS and answered qu	estions 17-20 (intial)	8
certify that I attached a label with	h the unique LIMS number to	o each container (intial)	8
21. Were there Non-Conformance	issues at login? VES NO	Was a NCM gangrated?	VES NOW

Officer Contact Officer Contact Officer Contact	Client Project	Janager:	_		_	Site	Conta	ct:	_		_		Lal	Cont	act:	-	-		-		America L	aboratorie
by Independence Pkry#1	m.r. r	ahoon 136-59	60			Tel	ерьопе						Tel	ephone	ė:						of_	coc
Cherpeda V4 23320	Jimel .	194-EUI	Fon	Men	kl.a	200	- Ai	alysis	Forum BUSA	ound 1	ime						Analy	ses			ndo o con	y
roject Number:	Method of Ship	Method of Shipment/Carrier: Shipping/Tracking No:					TAT if different from below weeks weeks						140							Well-anglian Libyadop Libyadop Libyadop Libyadop Libyadop		
Sample Identification	Sample Date	Sample Time	Aqueous	Mat Scolment	Solid	HZSO4		OUINING U			Unpres G	(V/V) of times, boardily.	Composite Contra	y~	Dalla					1		pecific Note Instructions
LC-2000 - 2-18-13	2/20/13	1330									X		01	11	l					П		
						+														H		
						+							ŀ		IH.		oc: a					
													1		I.	4	207	10				
																	1					
					+	+	+				+		-	+	+					H		
Possible Hazard Identification Non-Hazard Flammable pecial Instructions/OC Requirements & Comments:	Skin Irritant	Poison B	1		Unknov		Sample	Dispos: Return	al (A f	ee may	be asse	essed if samp Disposal B	oles are y Lab		ed longe			ь)	N	Months		
pectat instructions QC Requirements & Comments:												/		/	1			T				

Login Sample Receipt Checklist

Client: Bay Environmental Inc Job Number: 490-20110-1

Login Number: 20110 List Source: TestAmerica Nashville

List Number: 1 Creator: Ford, Easton

oreator: Foru, Eastori		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

2

6

10

11

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-20438-1 Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

2/28/2013 2:53:19 PM

Ken Hayes

Project Manager I

ken.hayes@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	10
Chronicle	11
Method Summary	12
Certification Summary	
Chain of Custody	
Receipt Checklists	

4

5

7

8

9

10

12

Sample Summary

Matrix

Soil

Client: Bay Environmental Inc Project/Site: Little Creek

Client Sample ID

LC-2000-2-26-13

Lab Sample ID

490-20438-1

TestAmerica Job ID: 490-20438-1

Callested Bessived	Collected Bossived	Collected	Received
		Callagead	Dessived

02/26/13 13:30

3

4

02/27/13 09:20

5

Q

9

44

12

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20438-1

Job ID: 490-20438-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-20438-1

Comments

No additional comments.

Receipt

The sample was received on 2/27/2013 9:20 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The following sample was diluted due to the nature of the sample matrix: LC-2000-2-26-13 (490-20438-1). Elevated reporting limits (RLs) are provided.

Method(s) 8015B: Due to the level of dilution required for the following sample, surrogate recoveries are not accurate: LC-2000-2-26-13 (490-20438-1).

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

5

6

10

11

12

11:

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20438-1

Glossary

TEQ

Toxicity Equivalent Quotient (Dioxin)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
DLC MDA EDL MDC MDL ML ND PQL QC RER RL RPD	Decision level concentration Minimum detectable activity Estimated Detection Limit Minimum detectable concentration Method Detection Limit Minimum Level (Dioxin) Not detected at the reporting limit (or MDL or EDL if shown) Practical Quantitation Limit Quality Control Relative error ratio Reporting Limit or Requested Limit (Radiochemistry) Relative Percent Difference, a measure of the relative difference between two points

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

Date Collected: 02/26/13 13:30

Date Received: 02/27/13 09:20

Client Sample ID: LC-2000-2-26-13

TestAmerica Job ID: 490-20438-1

Lab Sample ID: 490-20438-1

Matr

rix:	Soil	

5
_

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.5	3.0	mg/Kg		02/27/13 14:20	02/27/13 15:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	103		50 - 150				02/27/13 14:20	02/27/13 15:45	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	• , ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	420		120	34	mg/Kg		02/27/13 11:10	02/28/13 12:27	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	55		50 - 150				02/27/13 11:10	02/28/13 12:27	25
o-Terphenyl (Surr)	55		50 - 150				02/27/13 11:10	02/28/13 12:27	25
		Qualifier	50 ₋ 150	RL	Unit	D	02/27/13 11:10 Prepared	02/28/13 12:27 Analyzed	25

Client: Bay Environmental Inc Project/Site: Little Creek

Lab Sample ID: MB 490-61412/17

Lab Sample ID: MB 490-61412/18

Matrix: Solid

TestAmerica Job ID: 490-20438-1

Client Sample ID: Method Blank

Client Sample ID: Method Blank

Prep Type: Total/NA

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: 490-20264-A Matrix: Solid Analysis Batch: 61412	A-10-A MS							Client	Sample ID: Matr Prep Type: 7 Prep Batcl	otal/NA
7 , 0.0	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
GRO (C6-C10)	580		417	990		mg/Kg		98	56 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
a,a,a-Trifluorotoluene	126		50 - 150							

Lab Sample ID: 490-20264-A-10-A MSD Matrix: Solid Client S								Sample ID: Matrix Spike Duplicate Prep Type: Total/NA					
Analysis Batch: 61412									Prep	Batch:	60765		
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
GRO (C6-C10)	580		417	1020	-	mg/Kg		106	56 - 130	3	21		
	MSD	MSD											
Surrogate	%Recovery	Qualifier	Limits										
a,a,a-Trifluorotoluene	127		50 - 150										

Analysis Batch: 61412									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	3.3	mg/Kg			02/27/13 14:22	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150			-		02/27/13 14:22	1

Matrix: Solid							Prep Type: T	otal/NA	
Analysis Batch: 61412									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	3.3	mg/Kg			02/27/13 14:43	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene			50 - 150			-		02/27/13 14:43	

Lab Sample ID: MB 490-61412/58 Matrix: Solid							Client S	ample ID: Metho Prep Type: T	
Analysis Batch: 61412	МВ	МВ							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND	Quamer	5.0		mg/Kg		Теригеи	02/28/13 04:30	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	86		50 - 150			-		02/28/13 04:30	1

TestAmerica Nashville

0438-1

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20438-1

3

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 490-61412/59	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 61412	
MB MB	

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 GRO (C6-C10)
 ND
 5.0
 3.3
 mg/Kg
 02/28/13 04:51
 1

Surrogate%Recovery
a,a,a-TrifluorotolueneQualifierLimitsPreparedAnalyzedDil Fac50 - 15002/28/13 04:511

Lab Sample ID: LCS 490-61412/11

Matrix: Solid

Analysis Batch: 61412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

 Analyte
 Added GRO (C6-C10)
 Result 10.0
 Qualifier 10.5
 Unit mg/Kg
 D mg/Kg
 **Rec.

LCS LCS
Surrogate %Recovery Qualifier Limits
a,a,a-Trifluorotoluene 109 50 - 150

Lab Sample ID: LCS 490-61412/12

Matrix: Solid

Analysis Batch: 61412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits

GRO (C6-C10) 10.0 11.5 mg/Kg 115 70 - 130

LCS LCS

Surrogate%RecoveryQualifierLimitsa,a,a-Trifluorotoluene12250 - 150

Lab Sample ID: LCSD 490-61412/54

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 61412

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit GRO (C6-C10) 10.0 11.2 mg/Kg 112 70 - 130 21

LCSD LCSDSurrogate%RecoveryQualifierLimitsa,a,a-Trifluorotoluene12150 - 150

Lab Sample ID: LCSD 490-61412/55

Matrix: Solid

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analysis Batch: 61412

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) 10.0 12.2 mg/Kg 122 70 - 130 6 21 LCSD LCSD

Surrogate%RecoveryQualifierLimitsa,a,a-Trifluorotoluene12550 - 150

TestAmerica Nashville

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20438-1

Client Sample ID: Method Blank

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-61511/1-A **Matrix: Solid**

Analysis Batch: 61654

мв мв

Prep Type: Total/NA

Prep Batch: 61511

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 5.0 Diesel Range Organics [C10-C28] ND 1.4 mg/Kg 02/27/13 11:10 02/27/13 22:52

MB MB

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 50 - 150 02/27/13 11:10 02/27/13 22:52 o-Terphenyl (Surr) 52

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 490-61511/2-A

Matrix: Solid

Analysis Batch: 61654

Prep Type: Total/NA

Prep Batch: 61511

LCS LCS Spike Added Analyte Result Qualifier Unit Limits %Rec 40.0 68 54 - 130 Diesel Range Organics 27.1 mg/Kg

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 73 50 - 150

Lab Sample ID: 490-20400-A-1-B MS

Matrix: Solid

Analysis Batch: 61654

Client Sample ID: Matrix Spike Prep Type: Total/NA

%Rec.

Prep Batch: 61511

Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Diesel Range Organics ND 38.8 21.7 mg/Kg 56 10 - 142

MS MS

Spike

40.0

[C10-C28]

MS MS

Sample Sample

Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl (Surr) 62

Lab Sample ID: 490-20400-A-1-C MSD

Matrix: Solid

Analysis Batch: 61654

Client Sample ID: Matrix Spike Duplicate

10 - 142

44

Prep Type: Total/NA Prep Batch: 61511

22

47

MSD MSD Sample Sample Spike %Rec. RPD Result Qualifier babbA Result Qualifier %Rec Limits RPD Limit Analyte Unit D

17.5

mg/Kg

Diesel Range Organics [C10-C28]

MSD MSD

ND

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 52 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-20438-1 DU Client Sample ID: LC-2000-2-26-13

Matrix: Soil

Analysis Batch: 61653

Sample Sample DU DU RPD Analyte Result Qualifier Result Qualifier Unit D RPD Limit Free Liquid Absent Absent NONE

TestAmerica Nashville

Prep Type: Total/NA

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20438-1

GC VOA

Prep Batch: 60765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20264-A-10-A MS	Matrix Spike	Total/NA	Solid	5030B	
490-20264-A-10-A MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

Analysis Batch: 61412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20264-A-10-A MS	Matrix Spike	Total/NA	Solid	8015B	60765
490-20264-A-10-A MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	60765
490-20438-1	LC-2000-2-26-13	Total/NA	Soil	8015B	61597
LCS 490-61412/11	Lab Control Sample	Total/NA	Solid	8015B	
LCS 490-61412/12	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-61412/54	Lab Control Sample Dup	Total/NA	Solid	8015B	
LCSD 490-61412/55	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-61412/17	Method Blank	Total/NA	Solid	8015B	
MB 490-61412/18	Method Blank	Total/NA	Solid	8015B	
MB 490-61412/58	Method Blank	Total/NA	Solid	8015B	
MB 490-61412/59	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 61597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20438-1	LC-2000-2-26-13	Total/NA	Soil	5030B	

GC Semi VOA

Prep Batch: 61511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20400-A-1-B MS	Matrix Spike	Total/NA	Solid	3550B	
490-20400-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
490-20438-1	LC-2000-2-26-13	Total/NA	Soil	3550B	
LCS 490-61511/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-61511/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 61654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20400-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B	61511
490-20400-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	61511
490-20438-1	LC-2000-2-26-13	Total/NA	Soil	8015B	61511
LCS 490-61511/2-A	Lab Control Sample	Total/NA	Solid	8015B	61511
MB 490-61511/1-A	Method Blank	Total/NA	Solid	8015B	61511

General Chemistry

Analysis Batch: 61653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20438-1	LC-2000-2-26-13	Total/NA	Soil	9095B	
490-20438-1 DU	LC-2000-2-26-13	Total/NA	Soil	9095B	

TestAmerica Nashville

5

_

8

10

11

12

1k

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20438-1

Lab Sample ID: 490-20438-1

Matrix: Soil

Client Sample ID: LC-2000-2-26-13

Date Collected: 02/26/13 13:30 Date Received: 02/27/13 09:20

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			61597	02/27/13 14:20	ВН	TAL NSH
Total/NA	Analysis	8015B		1	61412	02/27/13 15:45	ВН	TAL NSH
Total/NA	Prep	3550B			61511	02/27/13 11:10	AK	TAL NSH
Total/NA	Analysis	8015B		25	61654	02/28/13 12:27	JJ	TAL NSH
Total/NA	Analysis	9095B		1	61653	02/27/13 17:24	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20438-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

3

4

5

6

9

10

11

12

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20438-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	02-28-13
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

3

4

5

7

0

10

11

12

Nashville, TN



Cooler Received/Opened On: 02/27/13 @ 0920	
Tracking # 5289 (last 4 digits, FedEx) 49	0-20438 Chain o
Courier: Fed-ex IR Gun ID: 95610068	
1. Temperature of rep. sample or temp blank when opened: 3.5 Degrees Celsius	^
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen?	YES NO. (NA)
4. Were custody seals on outside of cooler? If yes, how many and where:	(YES)NONA
	AFE NO NA
5. Were the seals intact, signed, and dated correctly?	VES)NONA
6. Were custody papers inside cooler?	(YES)NONA
I certify that I opened the cooler and answered guestions 1-6 (intial)	
7. Were custody seals on containers: YES (10) and Intact	YES NO NA
Were these signed and dated correctly?	YESNO.ANA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pape	r Other None
9. Cooling process: (Ce) Ice-pack Ice (direct contact) Dry ice	Other None
10. Did all containers arrive in good condition (unbroken)?	VES NO NA
11. Were all container labels complete (#, date, signed, pres., etc)?	VES NO NA
12. Did all container labels and tags agree with custody papers?	ES.NONA
13a. Were VOA vials received?	YES. NO. NA
b. Was there any observable headspace present in any VOA vial?	YESNO
14. Was there a Trip Blank in this cooler? YESNO. A If multiple coolers, sequen	ce #
I certify that I unloaded the cooler and answered questions 7-14 (intial)	(M)
15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?	YESNO, NA
b. Did the bottle labels indicate that the correct preservatives were used	YESNO
16. Was residual chlorine present?	YESNONA
I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial)	_ (W)
17. Were custody papers properly filled out (ink, signed, etc)?	VES .NONA
18. Did you sign the custody papers in the appropriate place?	(ES).NONA
19. Were correct containers used for the analysis requested?	YES)NONA
20. Was sufficient amount of sample sent in each container?	ES.NONA
I certify that I entered this project into LIMS and answered questions 17-20 (intial)	
I certify that I attached a label with the unique LIMS number to each container (intial)	(W)

21. Were there Non-Conformance issues at login? YES., NO) Was a NCM generated? YES., NO).#

Chain of Cystody Record

THE LEADER IN EN

TAL-0018 (1008)

TestAmerica Laboratory location:

62008, TestAmenco Laboratories, inc. "All rights reserved.
TestAmenco & Dusion "" are trademarks of TestAmenco (aboratories, inc.

Login Sample Receipt Checklist

Client: Bay Environmental Inc Job Number: 490-20438-1

Login Number: 20438 List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

Creator: McBride, Mike		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

5

10

15



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-20789-1

TestAmerica Sample Delivery Group: 12-167

Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Kunth Haye

Authorized for release by: 3/6/2013 3:57:00 PM

Ken Hayes Project Manager I

ken.hayes@testamericainc.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20789-1 SDG: 12-167

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	10
Chronicle	12
Method Summary	13
Certification Summary	14
Chain of Custody	15
Receipt Checklists	17

6

8

9

11

12

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20789-1

SDG: 12-167

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-20789-1	LC-2000-3-1-2013	Soil	03/01/13 12:30	03/02/13 08:50

3

4

5

9

10

15

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20789-1

SDG: 12-167

Job ID: 490-20789-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-20789-1

Comments

No additional comments.

Receipt

The sample was received on 3/2/2013 8:50 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The method blank for preparation batch 62281 contained C10-C28 above the reporting limit (RL). The following sample contained detects for this analyte at concentrations greater than 10X the value found in the method blank: LC-2000-3-1-2013 (490-20789-1).

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

6

0

9

19

1:

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20789-1

SDG: 12-167

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
В	Compound was found in the blank and sample.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

RER

RPD

TEF TEQ

RL

Relative error ratio

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Abbreviation	These commonly used abbreviations may or may not be present in this report.						
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis						
%R	Percent Recovery						
CNF	Contains no Free Liquid						
DER	Duplicate error ratio (normalized absolute difference)						
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample						
DLC	Decision level concentration						
MDA	Minimum detectable activity						
EDL	Estimated Detection Limit						
MDC	Minimum detectable concentration						
MDL	Method Detection Limit						
ML	Minimum Level (Dioxin)						
ND	Not detected at the reporting limit (or MDL or EDL if shown)						
PQL	Practical Quantitation Limit						
QC	Quality Control						

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

Date Received: 03/02/13 08:50

TestAmerica Job ID: 490-20789-1

Lab Sample ID: 490-20789-1

SDG: 12-167

Client Sample ID: LC-2000-3-1-2013

Date Collected: 03/01/13 12:30

Matrix: Soil

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.8	3.2	mg/Kg		03/02/13 16:55	03/04/13 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	127		50 - 150				03/02/13 16:55	03/04/13 14:13	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	270	B *	25	6.9	mg/Kg		03/02/13 12:08	03/04/13 17:30	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	93		50 - 150				03/02/13 12:08	03/04/13 17:30	5
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	Absent		0.10	0.10	NONE			03/05/13 13:21	

O

8

9

4 4

12

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20789-1

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: 490-20681-D-3-A DU **Client Sample ID: Duplicate**

Matrix: Solid

Analysis Batch: 62467

Prep Type: Total/NA Prep Batch: 62250 Sample Sample DU DU

Result Qualifier RPD Result Qualifier D Limit Analyte Unit GRO (C6-C10) ND mg/Kg 21

DU DU

Qualifier Limits Surrogate %Recovery 50 - 150 a,a,a-Trifluorotoluene 110

Lab Sample ID: 490-20837-C-3-A MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 62467

Prep Type: Total/NA Prep Batch: 62409

Sample Sample Spike MS MS Qualifier Added Result Result Qualifier %Rec Limits Analyte Unit GRO (C6-C10) 315 88 56 - 130 330 603 mg/Kg

MS MS

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 130

Lab Sample ID: 490-20837-C-3-A MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 62467

Prep Batch: 62409 Spike MSD MSD %Rec. RPD Sample Sample Qualifier Qualifier Added RPD Result Result Unit %Rec Limits Limit GRO (C6-C10) 330 315 674 110 56 - 130 11 21 mg/Kg

MSD MSD

Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 136 50 - 150

Lab Sample ID: MB 490-62467/17 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 62467

мв мв Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac GRO (C6-C10) ND 5.0 3.3 mg/Kg 03/04/13 12:29

MB MB

%Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 50 - 150 a,a,a-Trifluorotoluene 110 03/04/13 12:29

Lab Sample ID: MB 490-62467/18 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 62467

мв мв

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac GRO (C6-C10) ND 5.0 3.3 mg/Kg 03/04/13 12:50

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 03/04/13 12:50 50 - 150 a,a,a-Trifluorotoluene 111

TestAmerica Nashville

Prep Type: Total/NA

TestAmerica Job ID: 490-20789-1

Client Sample ID: Lab Control Sample Dup

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 490-62467/11 Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 62467

Spike LCS LCS %Rec. babbA Result Qualifier Limits Analyte Unit D %Rec 10.0 GRO (C6-C10) 10.3 mg/Kg 103 70 - 130

LCS LCS

%Recovery Qualifier Limits Surrogate 50 - 150 a,a,a-Trifluorotoluene 132

Lab Sample ID: LCS 490-62467/12 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 62467

LCS LCS Spike %Rec. Result Qualifier Added Limits Analyte Unit %Rec GRO (C6-C10) 10.0 70 - 130 11.1 mg/Kg 111

LCS LCS

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 127

Lab Sample ID: LCSD 490-62467/46

Matrix: Solid

Analysis Batch: 62467

RPD LCSD LCSD %Rec. Spike Added Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) 10.0 11.6 116 70 - 130 21 mg/Kg

LCSD LCSD

Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 128 50 - 150

Lab Sample ID: LCSD 490-62467/47

Matrix: Solid

Analysis Batch: 62467

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit GRO (C6-C10) 10.0 10.7 mg/Kg 107 70 - 130 21

LCSD LCSD

%Recovery Surrogate Qualifier Limits a,a,a-Trifluorotoluene 123 50 - 150

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-62281/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 62363

MB MB Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] 5.0 03/02/13 07:08 03/02/13 18:31 1.68 1.4 mg/Kg

MB MB

%Recovery Qualifier Prepared Surrogate Limits Dil Fac Analyzed o-Terphenyl (Surr) 50 - 150 03/02/13 07:08 03/02/13 18:31 106

TestAmerica Nashville

Prep Batch: 62281

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Prep Type: Total/NA

Lab Sample ID: LCS 490-62281/2-A

Lab Sample ID: MB 490-62636/1-A

TestAmerica Job ID: 490-20789-1

SDG: 12-167

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 62281

Spike LCS LCS Analyte Added Result Qualifier %Rec Limits Unit D 40.0 17.7 mg/Kg 44 54 - 130 Diesel Range Organics

[C10-C28]

Matrix: Solid

Analysis Batch: 62363

LCS LCS

Surrogate %Recovery Qualifier Limits 43 X 50 - 150 o-Terphenyl (Surr)

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 62636

Matrix: Solid Analysis Batch: 63065

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Diesel Range Organics [C10-C28] ND 5.0 1.4 mg/Kg 03/04/13 14:30 03/06/13 11:20

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac o-Terphenyl (Surr) 81 50 - 150 03/04/13 14:30 03/06/13 11:20

Lab Sample ID: LCS 490-62636/2-A

Matrix: Solid

Analysis Batch: 63065

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 62636

Analyte Added Result Qualifier Unit D %Rec Limits 54 - 130 Diesel Range Organics 40.0 37.2 mg/Kg 93

LCS LCS

Spike

[C10-C28]

LCS LCS

%Recovery Qualifier Surrogate Limits 50 - 150 o-Terphenyl (Surr) 101

Method: 9095B - Paint Filter

Lab Sample ID: 490-20837-N-1 DU **Client Sample ID: Duplicate** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 62872

DU DU RPD Sample Sample Analyte Result Qualifier Result Qualifier Unit D RPD Limit Free Liquid Absent Absent NONE NC

QC Association Summary

Client: Bay Environmental Inc TestAmerica Job ID: 490-20789-1 Project/Site: Little Creek SDG: 12-167 **GC VOA** Prep Batch: 62250 Lab Sample ID Client Sample ID **Prep Type** Matrix Method Prep Batch 490-20681-D-3-A DU Duplicate Total/NA Solid 5030B Prep Batch: 62407 Lab Sample ID Client Sample ID Matrix Method Prep Batch Prep Type 490-20789-1 LC-2000-3-1-2013 Total/NA Soil 5030B Prep Batch: 62409 Lab Sample ID Client Sample ID Prep Type Matrix Method Prep Batch 490-20837-C-3-A MS Matrix Spike Total/NA Solid 5030B 490-20837-C-3-A MSD 5030B Matrix Spike Duplicate Total/NA Solid **Analysis Batch: 62467** Lab Sample ID Client Sample ID Prep Type Prep Batch Matrix Method 490-20681-D-3-A DU Total/NA Solid 8015B Duplicate 62250 490-20789-1 LC-2000-3-1-2013 Total/NA Soil 8015B 62407 490-20837-C-3-A MS Total/NA Solid 62409 Matrix Spike 8015B 490-20837-C-3-A MSD Matrix Spike Duplicate Total/NA Solid 8015B 62409 LCS 490-62467/11 Lab Control Sample Total/NA Solid 8015B LCS 490-62467/12 Lab Control Sample Total/NA Solid 8015B LCSD 490-62467/46 Lab Control Sample Dup Total/NA Solid 8015B 8015B LCSD 490-62467/47 Lab Control Sample Dup Total/NA Solid MB 490-62467/17 Total/NA Solid 8015B Method Blank MB 490-62467/18 Method Blank Total/NA Solid 8015B **GC Semi VOA** Prep Batch: 62281 Lab Sample ID Client Sample ID **Prep Type** Matrix Method Prep Batch 3550B 490-20789-1 LC-2000-3-1-2013 Total/NA Soil LCS 490-62281/2-A Lab Control Sample Total/NA Solid 3550B MB 490-62281/1-A Method Blank Total/NA Solid 3550B

Analy	/sis	Batc	h٠ (62363
Allal	7313	Date		52303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-62281/2-A	Lab Control Sample	Total/NA	Solid	8015B	62281
MB 490-62281/1-A	Method Blank	Total/NA	Solid	8015B	62281

Prep Batch: 62636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20789-1	LC-2000-3-1-2013	Total/NA	Soil	3550B	
LCS 490-62636/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-62636/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 62693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20789-1	LC-2000-3-1-2013	Total/NA	Soil	8015B	62281

Analysis Batch: 63065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20789-1	LC-2000-3-1-2013	Total/NA	Soil	8015B	62636

TestAmerica Nashville

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20789-1

SDG: 12-167

GC Semi VOA (Continued)

Analysis Batch: 63065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-62636/2-A	Lab Control Sample	Total/NA	Solid	8015B	62636
MB 490-62636/1-A	Method Blank	Total/NA	Solid	8015B	62636

General Chemistry

Analysis Batch: 62872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-20789-1	LC-2000-3-1-2013	Total/NA	Soil	9095B	
490-20837-N-1 DU	Duplicate	Total/NA	Solid	9095B	

5

6

Ω

9

10

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek

Date Received: 03/02/13 08:50

TestAmerica Job ID: 490-20789-1

SDG: 12-167

Client Sample ID: LC-2000-3-1-2013

Lab Sample ID: 490-20789-1 Date Collected: 03/01/13 12:30

Matrix: Soil

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			62407	03/02/13 16:55	ML	TAL NSH
Total/NA	Analysis	8015B		1	62467	03/04/13 14:13	ВН	TAL NSH
Total/NA	Prep	3550B			62281	03/02/13 12:08	AK	TAL NSH
Total/NA	Analysis	8015B		5	62693	03/04/13 17:30	JL	TAL NSH
Total/NA	Prep	3550B			62636	03/04/13 14:30	AK	TAL NSH
Total/NA	Analysis	8015B		1	63065	03/06/13 13:29	JL	TAL NSH
Total/NA	Analysis	9095B		1	62872	03/05/13 13:21	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-20789-1

SDG: 12-167

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

6

7

8

4.6

1 0

46

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-20789-1

SDG: 12-167

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	03-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13



COOLER RECEIPT FORM



490-20789 Chain of Custody

Cooler Received/Opened On 3/2/2013 @ 0850	
1. Tracking # 6447 (last 4 digits, FedEx)	
Courier: FedEx IR Gun ID 17610176	
2. Temperature of rep. sample or temp blank when opened:Degrees Celsius	
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen'	YES NONA
Were custody seals on outside of cooler?	YESNONA
If yes, how many and where: ORE from	
5. Were the seals intact, signed, and dated correctly?	YES NONA
6. Were custody papers inside cooler?	YES NONA
certify that I opened the cooler and answered questions 1-6 (Intial)	
7. Were custody seals on containers: YES and Intact	YESNO.
Were these signed and dated correctly?	YESNONA
B. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper	er Other None
9. Cooling process: (Ce) Ice-pack Ice (direct contact) Dry ic	e Other None
10. Did all containers arrive in good condition (unbroken)?	ES.NONA
11. Were all container labels complete (#, date, signed, pres., etc)?	(ES).NONA
12. Did all container labels and tags agree with custody papers?	(ES)NONA
13a. Were VOA vials received?	YES. NONA
b. Was there any observable headspace present in any VOA vial?	YESNO. (NA)
14. Was there a Trip Blank in this cooler? YESNO (NA) If multiple coolers, seque	
certify that I unloaded the cooler and answered questions 7-14 (initial)	@
15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level	YESNONA
b. Did the bottle labels indicate that the correct preservatives were used	YESNO(NA)
16. Was residual chlorine present?	YESNO. NA
certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Intial)	
17. Were custody papers properly filled out (ink, signed, etc)?	ES NONA
18. Did you sign the custody papers in the appropriate place?	ESINONA
19. Were correct containers used for the analysis requested?	YES NONA
20. Was sufficient amount of sample sent in each container?	@SNONA
certify that I entered this project into LIMS and answered questions 17-20 (Intial)	(W)
certify that I attached a label with the unique LIMS number to each container (intial)	(2)
21. Were there Non-Conformance issues at login? YES(NO) Was a NCM generated? YES	

Test Client Contact	America Labor Regula	atory location: tory program:			ow	N	PDES	-	1	RCRA	+		Other _	_	_			20°	490 789			ENVIRONMENTA	
Campany Names	Client Project		La	.1		Site C	ontac	t						Lab C	ontac	tr					COC :	erica Laborato No: 1	ries, Inc.
BAY ENVIRONMENTAL Address: Po Box 2666 City/State/Zip: CHESAPEAKE VA 23327 Phone: 757 436 5900 Project Name:	Telephone:	M CAI				Telep	hone:							Telep	bone:		-/-			-	1	of	COCs
City/State/Zip:	757	816	44	71	45		中語	alysis			是可能						_	-		_	No. of the last		
CHESAVEAUE VA 23921	Jim @	bay-en	Viro	ner	ital (16.0	different	BUSd	(Y5)	i iiiie			-			Ana	lyses	1	-	rocian Walt	oseony relient	
757 436 3 900	Method of Ship	oment/Carrier:				-				week	25	100				3					Labibic	an L	
LITTLE CREEK							2	17	1/2	Tweek	5	SHAME	Die	_	0	CICTE							
Project Number: 12-1107	Shipping/Trac	ang No:						Þ	Z	2 days 1 day	e e	2/10/63	Grah	GRO	200	I					JOB SD		
? O #				Matr	X		, c	ontaine	es & Pe	eservat	ives		O TOPING	-	FI	7	hill						
Sample Identification	Sample Date	Sample Time	Alt	Sediment	Solid	H2SO4	HNÖ3	HCI	NaOH	ZnAe/ NgOH	Unpres			TPOH	HOLL	PAIN	ļ i				Sa S	imple Specific N Special Instructi	ions:
LC-2000-3-1-2013	3/1/13		П	×							X		1	l	l	l					-1		
								181					11.		9								
										4													
								1						-									
								17									F						
			Ħ						ler.														
Possible Hazard Identification Non-Hazard Flammable Ski	în Îmîtan!	Poison B		X	Unknown	Sa	mple l	Disposa Return	d (A fo	ee may	be asse	ssed if s Dispos	samples al By La	are re		longer tha		nth)		Monti	ns		
Special Instructions/QC Requirements & Comments: 24 Hou	RT	AT									-7	1		/	/	7					,	,	
Relinquished by:	Company	Y EN	/	3/1/	13	14	30	2	Receiv	ed By	77	Live	6	/	un		Comp	oany:	7		Barri.	113 1	430
Relinquished by: The Aim	Company:	A	12	ate/a uno	/13	1	60	Ò	Receiv	ed by:	100	0	1	0			Comp	any:			Date/1	13@ 0	250
Relinquished by:	Company:	-1-	I	te Ting	at .	, (00		Receiv	ed in	Labora	tory by:					Comp				Date/Ti	me;	550

Chain of Custody Record

Login Sample Receipt Checklist

Client: Bay Environmental Inc

Job Number: 490-20789-1 SDG Number: 12-167

List Source: TestAmerica Nashville

Login Number: 20789 List Number: 1

Creator: McBride, Mike

Creator: McBride, Mike		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

__

4

5

7

Q

10

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-21083-1 Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

Authorized for release by 3/11/2013 4:42:22 PM

Ken Hayes

Project Manager I

ken.hayes@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

TestAmerica Job ID: 490-21083-1

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	9
Chronicle	10
Method Summary	11
Certification Summary	12
Chain of Custody	13
Receipt Checklists	15

3

4

9

10

12

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-21083-1	LC-2000-3-4-13	Solid	03/04/13 00:01	03/07/13 08:15

3

4

5

6

8

9

44

12

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

Job ID: 490-21083-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-21083-1

Comments

No additional comments.

Receipt

The sample was received on 3/7/2013 8:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The method blank for batch 63438 contained C10-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

3

4

E

6

_

9

12

1:

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

PQL

QC

RER

RPD TEF

TEQ

RL

Practical Quantitation Limit

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Quality Control

Relative error ratio

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

Lab Sample ID: 490-21083-1

Matrix: Solid

Date Collected: 03/04/13 00:01 Date Received: 03/07/13 08:15

Client Sample ID: LC-2000-3-4-13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	3.3	J	4.7	3.1	mg/Kg		03/07/13 10:58	03/07/13 11:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	113		50 - 150				03/07/13 10:58	03/07/13 11:50	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	• , ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250	В	9.9	2.8	mg/Kg		03/07/13 10:11	03/08/13 20:03	2
0	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate									
o-Terphenyl (Surr)	78		50 - 150				03/07/13 10:11	03/08/13 20:03	
o-Terphenyl (Surr)	78		50 - 150				03/07/13 10:11	03/08/13 20:03	
		Qualifier	50 ₋ 150	RL	Unit	D	03/07/13 10:11 Prepared	03/08/13 20:03 Analyzed	Dil Fac

TestAmerica Nashville

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 63470

Client Sample ID: Lab Control Sample Dup

Method: 8015B	 Gasoline Range 	Organics - (GC)
---------------	------------------------------------	----------------	---

Lab Sample ID: MB 490-63305/8 Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA

Analysis Batch: 63305

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	3.3	mg/Kg			03/07/13 09:50	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	102		50 - 150		03/07/13 09:50	1

Lab Sample ID: LCS 490-63305/6

Client Sample ID: Lab Control Sample Matrix: Solid

Analysis Batch: 63305

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
GRO (C6-C10)	1.00	1.05		mg/Kg		105	70 - 130	

LCS LCS

Surrogate		%Recovery	Qualifier	er Limits			
	a,a,a-Trifluorotoluene	114		50 - 150			

Lab Sample ID: LCSD 490-63305/14

Matrix: Solid

Analysis Batch: 63305

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)	1.00	1.04		mg/Kg		104	70 - 130	1	21

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
a.a.a-Trifluorotoluene	117	50 - 150

Lab Sample ID: 490-21083-1 MS Client Sample ID: LC-2000-3-4-13

Matrix: Solid

Analysis Batch: 63305

MS MS %Rec. Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits GRO (C6-C10) 3.3 J 46.8 54.7 mg/Kg 110 56 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
a,a,a-Trifluorotoluene	128	50 - 150

Lab Sample ID: 490-21083-1 MSD Client Sample ID: LC-2000-3-4-13

Matrix: Solid

Analysis Batch: 63305									Pre	p Batch:	63470
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
GRO (C6-C10)	3.3	J	46.8	54.6	_	mg/Kg		110	56 - 130	0	21

MSD MSD %Recovery Qualifier Surrogate Limits

50 - 150 a,a,a-Trifluorotoluene 121

TestAmerica Nashville

TestAmerica Job ID: 490-21083-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-63438/1-A

Matrix: Solid

Analysis Batch: 63496

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63438

мв мв RL MDL Unit Result Qualifier D Prepared Analyzed Dil Fac Analyte 5.0 03/07/13 10:11 Diesel Range Organics [C10-C28] 1.71 J 1.4 mg/Kg 03/07/13 18:26

MB MB

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 50 - 150 03/07/13 10:11 03/07/13 18:26 o-Terphenyl (Surr) 55

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 490-63438/2-A **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 63496 Prep Batch: 63438 LCS LCS Spike

Added Result Qualifier Analyte Unit Limits %Rec 40.0 76 54 - 130 Diesel Range Organics 30.2 mg/Kg

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 58 50 - 150

Lab Sample ID: 490-21051-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 63496

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Diesel Range Organics 2.2 JB 39.9 33.1 mg/Kg 78 10 - 142

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl (Surr) 64

Lab Sample ID: 490-21051-A-1-C MSD

Matrix: Solid

Analysis Batch: 63496

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 63438

Prep Batch: 63438

MSD MSD Sample Sample Spike %Rec. RPD Result Qualifier babbA Result Qualifier %Rec Limits RPD Limit Analyte Unit D 38.6 Diesel Range Organics 2.2 JB 30.7 mg/Kg 74 10 - 142 8 47

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 56 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-21083-1 DU Client Sample ID: LC-2000-3-4-13

Matrix: Solid

Analysis Batch: 63739

DU DU RPD Sample Sample Analyte Result Qualifier Result Qualifier Unit D RPD Limit Free Liquid Absent Absent NONE

TestAmerica Nashville

3/11/2013

Prep Type: Total/NA

Page 8 of 15

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

GC VOA

Analysis Batch: 63305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21083-1	LC-2000-3-4-13	Total/NA	Solid	8015B	63470
490-21083-1 MS	LC-2000-3-4-13	Total/NA	Solid	8015B	63470
490-21083-1 MSD	LC-2000-3-4-13	Total/NA	Solid	8015B	63470
LCS 490-63305/6	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-63305/14	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-63305/8	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 63470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21083-1	LC-2000-3-4-13	Total/NA	Solid	5030B	
490-21083-1 MS	LC-2000-3-4-13	Total/NA	Solid	5030B	
490-21083-1 MSD	LC-2000-3-4-13	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 63438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21051-A-1-B MS	Matrix Spike	Total/NA	Solid	3550B	
490-21051-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
490-21083-1	LC-2000-3-4-13	Total/NA	Solid	3550B	
LCS 490-63438/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-63438/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 63496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21051-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B	63438
490-21051-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	63438
LCS 490-63438/2-A	Lab Control Sample	Total/NA	Solid	8015B	63438
MB 490-63438/1-A	Method Blank	Total/NA	Solid	8015B	63438

Analysis Batch: 63834

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21083-1	LC-2000-3-4-13	Total/NA	Solid	8015B	63438

General Chemistry

Analysis Batch: 63739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21083-1	LC-2000-3-4-13	Total/NA	Solid	9095B	
490-21083-1 DU	LC-2000-3-4-13	Total/NA	Solid	9095B	

TestAmerica Nashville

3/11/2013

Page 9 of 15

4

4

0

10

11

12

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

Lab Sample ID: 490-21083-1

Matrix: Solid

Client Sample ID: LC-2000-3-4-13

Date Collected: 03/04/13 00:01 Date Received: 03/07/13 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			63470	03/07/13 10:58	ML	TAL NSH
Total/NA	Analysis	8015B		1	63305	03/07/13 11:50	ВН	TAL NSH
Total/NA	Prep	3550B			63438	03/07/13 10:11	AK	TAL NSH
Total/NA	Analysis	8015B		2	63834	03/08/13 20:03	KH	TAL NSH
Total/NA	Analysis	9095B		1	63739	03/08/13 10:37	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

5

7

U

9

10

12

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21083-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

4

5

_

9

10

11

TestAmerica Job ID: 490-21083-1

Client: Bay Environmental Inc Project/Site: Little Creek

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Dat
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Canadian Assoc Lab Accred (CALA)	Canada		3744	03-08-14
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-13
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-09-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-13
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oklahoma	State Program	6	9412	08-31-13
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	03-28-14
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

3

4

5

7

0

10

11

12

5

Virginia Beach

COOLER RECEIPT FORM

Nashville, TN Cooler Received/Opened On: 03/07/13 @ 0815 490-21083 Chain of Custody Tracking # (last 4 digits, FedEx) Courier: Fed-ex IR Gun ID: 95610068 1. Temperature of rep, sample or temp blank when opened: 7 3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO YES. NO...NA 4. Were custody seals on outside of cooler? If yes, how many and where: NO...NA 5. Were the seals intact, signed, and dated correctly? 6. Were custody papers inside cooler? .NO...NA I certify that I opened the cooler and answered questions 1-6 (Intial) 7. Were custody seals on containers: YES NO and Intact YES NO WA Were these signed and dated correctly? YES...NO..(NA) 8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None 9. Cooling process: (ce) Ice-pack Ice (direct contact) 10. Did all containers arrive in good condition (unbroken)? ES..NO...NA 11. Were all container labels complete (#, date, signed, pres., etc)? (ES)..NO...NA 12. Did all container labels and tags agree with custody papers? VES .. NO ... NA YES.ANO..NA 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? YES...NO.(NA) 14. Was there a Trip Blank in this cooler? YES...NO. (NA) If multiple coolers, sequence # I certify that I unloaded the cooler and answered questions 7-14 (intial) (M) 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(A) b. Did the bottle labels indicate that the correct preservatives were used YES...NO. (NA) YES...NO..(NA) 16. Was residual chlorine present?

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MES .. NO ... NA 17. Were custody papers properly filled out (ink, signed, etc)?

18. Did you sign the custody papers in the appropriate place?

THE LEADER IN ENVIRONMENTAL TESTING

19. Were correct containers used for the analysis requested?

20. Was sufficient amount of sample sent in each container?

I certify that I entered this project into LIMS and answered questions 17-20 (intial)

I certify that I attached a label with the unique LIMS number to each container (intial)

21. Were there Non-Conformance issues at login? YES...(NO) Was a NCM generated? YES..(NO).#

YES .. NO ... NA

YES ... NO ... NA (ES).NO...NA

(w)

Client Contact	Client Project Manag	er: /			Site C	Contact;		_	_	_	Lab C	ontact:	_	21083	-	COC No:	Laboratorie
Bay Envivonmental	Jim C	ahoo	n		Telep	hone:					Telepl	hone:			-		enic
1948 Inde Pendence Plangt	Telephone: 757 - V	36-5	900	11	1100			20.77			2					of	COC
Chergealce VIII	Time buy	EUN ISON	Mes	itel,co	_	門部理	vsis Tura in BU	days).	fine			-		Analyses		To the base of	
757- 436-5400	Method of Shipment/	Carrier			-	171.14	E.	3 wee	eks				2				
Cittle Creek	Shipping/Tracking N				1	1	本	O.W.	ek.			_=	2	111			
	Supplie Tracking IV	, for		Television	G (500000	and the second		I day	-	SCHOOL STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	02/0	30	1	1117			
20#			E =	atrix	4		ramers &			S II	در	9	3			Sample	Specific Note
Sample Identification	Sample Date Sam	ple Time 🗦	Aquest	Solid	HZSO4	IINO3	HC! NaOH	ZnAc/ NaOH	Unpres	Filtered		G	196				al Instructions
LL-2000-3-4-13	3/4/13		1	4							1	(1			-(
	18 1						4		111				1				
										\perp	1		1				
	6		1					-		000		7		-			
				101	1	\forall	UV	n	4	000	9	1	1				
7	4.)	17	V	100	1	l	1	-	\Box		-		1				
J			H		+		\perp		H	4	4		+	1		-	
			4	1	\perp	\sqcup		+			+		+			-	
			-		+		+				+		+			-	
Possible Hazard Identification			Ш		Sa	mple D	isposal (A fee ma	y be ass	eeed if sampl Disposal By	les are re	etained le	onger th	an 1 month)			
Non-Hazard Flammable Special Instructions/QC Requirements & Comments:	Skin Irritant	Poison B		Unknow	o I	R	eturn to C	lient	7	Disposal By	Lab		Archiv	e For	Mon	ths	-
									- 7	1						1	

Login Sample Receipt Checklist

Client: Bay Environmental Inc Job Number: 490-21083-1

Login Number: 21083 List Source: TestAmerica Nashville

List Number: 1 Creator: McBride, Mike

Question Answer Comment Radioactivity wasn't checked or is </= background as measured by a survey True The cooler's custody seal, if present, is intact. True N/A Sample custody seals, if present, are intact. The cooler or samples do not appear to have been compromised or True tampered with. True Samples were received on ice. Cooler Temperature is acceptable. True Cooler Temperature is recorded. True COC is present. True COC is filled out in ink and legible. True COC is filled out with all pertinent information. True Is the Field Sampler's name present on COC? True There are no discrepancies between the containers received and the COC. True Samples are received within Holding Time. True Sample containers have legible labels. True Containers are not broken or leaking. True Sample collection date/times are provided. True Appropriate sample containers are used. True Sample bottles are completely filled. True N/A Sample Preservation Verified. There is sufficient vol. for all requested analyses, incl. any requested True MS/MSDs True Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). Multiphasic samples are not present. True True Samples do not require splitting or compositing.

N/A

8

10

11

13

Residual Chlorine Checked.



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-21675-1

TestAmerica Sample Delivery Group: 12-167

Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

3/15/2013 5:47:46 PM

Ken Hayes Project Manager I

ken.hayes@testamericainc.com

..... LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

TestAmerica Job ID: 490-21675-1 SDG: 12-167

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	9
Chronicle	10
Method Summary	11
Certification Summary	
Chain of Custody	
Receipt Checklists	

6

8

9

10

12

1:

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21675-1

SDG: 12-167

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-21675-1	LC-2000-3-12-2013	Solid	03/13/13 08:30	03/14/13 08:30

3

4

5

7

10

11

12

1:

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21675-1

SDG: 12-167

Job ID: 490-21675-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-21675-1

Comments

No additional comments.

Receipt

The sample was received on 3/14/2013 8:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice.

The temperature of the cooler at receipt was 1.7° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

5

6

1

8

1 1

12

11;

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21675-1

SDG: 12-167

Glossary

TEQ

Toxicity Equivalent Quotient (Dioxin)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-21675-1

SDG: 12-167

Client Sample ID: LC-2000-3-12-2013

Lab Sample ID: 490-21675-1 Date Collected: 03/13/13 08:30

Matrix: Solid

Date Received: 03/14/13 08:30

Method: 8015B - Gasoline Range	Organics - (G	C)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	3.3	mg/Kg		03/14/13 12:49	03/14/13 13:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	107		50 - 150				03/14/13 12:49	03/14/13 13:23	1
– Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	110		5.0	1.4	mg/Kg		03/14/13 08:30	03/15/13 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	73		50 - 150				03/14/13 08:30	03/15/13 12:26	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	Absent		0.10	0.10	NONE			03/15/13 10:15	1

TestAmerica Job ID: 490-21675-1

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-65104/7 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65104

мв мв RL MDL Unit Result Qualifier D Analyzed Dil Fac Analyte Prepared 5.0 03/14/13 12:11 GRO (C6-C10) ND 3.3 mg/Kg

MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 50 - 150 03/14/13 12:11 a,a,a-Trifluorotoluene 94

Lab Sample ID: LCS 490-65104/6 Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65104

LCS LCS Spike %Rec. Added Result Qualifier Unit Limits Analyte %Rec GRO (C6-C10) 1.00 103 70 - 130 1.03 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 112

Lab Sample ID: LCSD 490-65104/12

Matrix: Solid

Analysis Batch: 65104

LCSD LCSD RPD Spike %Rec. Added Qualifier Result Unit %Rec Limits RPD Limit GRO (C6-C10) 1.00 1.01 101 70 - 130 21 mg/Kg

LCSD LCSD Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 115 50 - 150

Lab Sample ID: 490-21675-1 MS Client Sample ID: LC-2000-3-12-2013

Matrix: Solid

Analysis Batch: 65104

Prep Batch: 65122 MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits GRO (C6-C10) ND 49.8 49.3 mg/Kg 99 56 - 130

MS MS %Recovery Surrogate Qualifier Limits a,a,a-Trifluorotoluene 125 50 - 150

Client Sample ID: LC-2000-3-12-2013 Lab Sample ID: 490-21675-1 MSD

Matrix: Solid

Analysis Batch: 65104 Prep Batch: 65122 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) ND 49.8 56.2 mg/Kg 113 56 - 130 13 21

MSD MSD Surrogate %Recovery Qualifier Limits 121 50 - 150 a,a,a-Trifluorotoluene

TestAmerica Nashville

TestAmerica Job ID: 490-21675-1

SDG: 12-167

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-64959/1-A

Matrix: Solid

Analysis Batch: 65140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 64959

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte 5.0 03/14/13 07:34 Diesel Range Organics [C10-C28] ND 1.4 mg/Kg 03/14/13 23:34

MB MB

мв мв

Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 50 - 150 03/14/13 07:34 03/14/13 23:34 o-Terphenyl (Surr) 83

Lab Sample ID: LCS 490-64959/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 65140

Prep Type: Total/NA

Prep Batch: 64959

LCS LCS Spike Added Analyte Result Qualifier Unit Limits %Rec 40.0 82 32.7 54 - 130 Diesel Range Organics mg/Kg

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 95 50 - 150

Lab Sample ID: 490-21647-B-1-B MS

Matrix: Solid

Analysis Batch: 65140

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 64959

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Diesel Range Organics 9.5 39.2 43.9 mg/Kg 88 10 - 142

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl (Surr) 93

Lab Sample ID: 490-21647-B-1-C MSD

Matrix: Solid

Analysis Batch: 65140

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA Prep Batch: 64959

%Rec. RPD

MSD MSD Sample Sample Spike Result Qualifier babbA Result Qualifier Limits RPD Limit Analyte Unit D %Rec 39.4 Diesel Range Organics 9.5 55.0 mg/Kg 115 10 - 142 22 47

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 102 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-21538-D-1 DU **Client Sample ID: Duplicate**

Matrix: Solid

Analysis Batch: 65390

Sample Sample DU DU RPD Analyte Result Qualifier Result Qualifier Unit D RPD Limit Free Liquid Absent Absent NONE

TestAmerica Nashville

Prep Type: Total/NA

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-21675-1

SDG: 12-167

GC VOA

Analysis Batch: 65104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21675-1	LC-2000-3-12-2013	Total/NA	Solid	8015B	65122
490-21675-1 MS	LC-2000-3-12-2013	Total/NA	Solid	8015B	65122
490-21675-1 MSD	LC-2000-3-12-2013	Total/NA	Solid	8015B	65122
LCS 490-65104/6	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-65104/12	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-65104/7	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 65122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21675-1	LC-2000-3-12-2013	Total/NA	Solid	5030B	
490-21675-1 MS	LC-2000-3-12-2013	Total/NA	Solid	5030B	
490-21675-1 MSD	LC-2000-3-12-2013	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 64959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-B-1-B MS	Matrix Spike	Total/NA	Solid	3550B	
490-21647-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
490-21675-1	LC-2000-3-12-2013	Total/NA	Solid	3550B	
LCS 490-64959/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-64959/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 65140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21647-B-1-B MS	Matrix Spike	Total/NA	Solid	8015B	64959
490-21647-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	64959
490-21675-1	LC-2000-3-12-2013	Total/NA	Solid	8015B	64959
LCS 490-64959/2-A	Lab Control Sample	Total/NA	Solid	8015B	64959
MB 490-64959/1-A	Method Blank	Total/NA	Solid	8015B	64959

General Chemistry

Analysis Batch: 65390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21538-D-1 DU	Duplicate	Total/NA	Solid	9095B	
490-21675-1	LC-2000-3-12-2013	Total/NA	Solid	9095B	

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21675-1

SDG: 12-167

Client Sample ID: LC-2000-3-12-2013

Date Collected: 03/13/13 08:30 Date Received: 03/14/13 08:30 Lab Sample ID: 490-21675-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65122	03/14/13 12:49	ВН	TAL NSH
Total/NA	Analysis	8015B		1	65104	03/14/13 13:23	ВН	TAL NSH
Total/NA	Prep	3550B			64959	03/14/13 08:30	AK	TAL NSH
Total/NA	Analysis	8015B		1	65140	03/15/13 12:26	JL	TAL NSH
Total/NA	Analysis	9095B		1	65390	03/15/13 10:15	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

9

10

11

12

11:

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21675-1

SDG: 12-167

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

4

Δ

5

6

0

9

TU

10

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-21675-1

SDG: 12-167

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date		
	ACIL		393	10-30-13		
A2LA	ISO/IEC 17025		0453.07	12-31-13		
Alabama	State Program	4	41150	05-31-13		
Alaska (UST)	State Program	10	UST-087	07-24-13		
Arizona	State Program	9	AZ0473	05-05-13		
Arkansas DEQ	State Program	6	88-0737	04-25-13		
California	NELAP	9	1168CA	10-31-13		
Connecticut	State Program	1	PH-0220	12-31-13		
Florida	NELAP	4	E87358	06-30-13		
Illinois	NELAP	5	200010	12-09-13		
lowa	State Program	7	131	05-01-14		
Kansas	NELAP	7	E-10229	10-31-13		
Kentucky (UST)	State Program	4	19	09-15-13		
Louisiana	NELAP	6	30613	06-30-13		
Maryland	State Program	3	316	03-31-13		
Massachusetts	State Program	1	M-TN032	06-30-13		
Minnesota	NELAP	5	047-999-345	12-31-13		
Mississippi	State Program	4	N/A	06-30-13		
Montana (UST)	State Program	8	NA	01-01-15		
Nevada	State Program	9	TN00032	07-31-13		
New Hampshire	NELAP	1	2963	10-09-13		
New Jersey	NELAP	2	TN965	06-30-13		
New York	NELAP	2	11342	04-01-13		
North Carolina DENR	State Program	4	387	12-31-13		
North Dakota	State Program	8	R-146	06-30-13		
Ohio VAP	State Program	5	CL0033	01-19-14		
Oklahoma	State Program	6	9412	08-31-13		
Oregon	NELAP	10	TN200001	04-30-13		
Pennsylvania	NELAP	3	68-00585	06-30-13		
Rhode Island	State Program	1	LAO00268	12-30-13		
South Carolina	State Program	4	84009 (001)	03-28-14		
South Carolina	State Program	4	84009 (002)	02-23-14		
Tennessee	State Program	4	2008	02-23-14		
Texas	NELAP	6	T104704077-09-TX	08-31-13		
USDA	Federal		S-48469	11-02-13		
Utah	NELAP	8	TAN	06-30-13		
Virginia	NELAP	3	460152	06-14-13		
Washington	State Program	10	C789	07-19-13		
West Virginia DEP	State Program	3	219	02-28-14		
Wisconsin	State Program	5	998020430	08-31-13		
Wyoming (UST)	A2LA	8	453.07	12-31-13		



COOLER RECEIPT FORM

	Cooler Received/Opened On 3/14/2013 @ 0830	or origin of
	1. Tracking #(last 4 digits, FedEx)	
	Courler: FedEx IR Gun ID 94660220	
9	2. Temperature of rep. sample or temp blank when opened: 1.7 Degrees Celsius	
	3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen?	YES NONA
	4. Were custody seals on outside of cooler?	ES.NONA
	If yes, how many and where: (1) Frond-	
	5. Were the seals intact, signed, and dated correctly?	(ESNONA
	6. Were custody papers inside cooler?	YES NO NA
	I certify that I opened the cooler and answered questions 1-6 (intial)	(A)
	7. Were custody seals on containers: YES (TO) and Intact	YESNO.
	Were these signed and dated correctly?	YESNO. NA
	8. Packing mat'l used? Subblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper	Other None
	9. Cooling process: (Ce Ice-pack Ice (direct contact) Dry ice	Other None
	10. Did all containers arrive in good condition (unbroken)?	(ES)NONA
	11. Were all container labels complete (#, date, signed, pres., etc)?	ESNONA
	12. Did all container labels and tags agree with custody papers?	ESNONA
	13a. Were VOA vials received?	YES. NO.NA
	b. Was there any observable headspace present in any VOA vial?	YESNO.
	14. Was there a Trip Blank in this cooler? YESNO. NA If multiple coolers, sequence	ce #
	I certify that I unloaded the cooler and answered questions 7-14 (Intial)	(W)
	15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?	YESNO.NA
	b. Did the bottle labels indicate that the correct preservatives were used	YESNOMA
	16. Was residual chlorine present?	YESNONA
	I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial)	(W)
	17. Were custody papers properly filled out (Ink, signed, etc)?	ES).NONA
	18. Did you sign the custody papers in the appropriate place?	ES.NONA
	19. Were correct containers used for the analysis requested?	MES NONA
	20. Was sufficient amount of sample sent in each container?	(ES).NONA
	I certify that I entered this project into LIMS and answered questions 17-20 (intial)	
	I certify that I attached a label with the unique LIMS number to each container (intial)	@
	21. Were there Non-Conformance issues at login? YES. NO Was a NCM generated? YES.	NOD.#

12

-

TestAmerica Laboratory location:

Client Project Manager:

Telephone:

Client Contact

Regulatory program:

Chain of Custody Record

RCRA

Lab Contact:

Telephone:

NPDES

Site Contact:

Telephone:

Loc: 216

-	TestAmerica Laboratories, Inc.	3/15/2013
	1 of 1 cocs	
	Sample Specific Notes / Special Instructions:	
	-[Dade 14 of 15
		ă

CHESAPEAKE VA 23327	inok	ony-eavi	ולווניו	Lesta	1-com		Analysis Turnaryund Hime (m DUSday)				A	nalyses	Turkbus only											
CHESAPEAKE VA 23327 Phone: 757 436 5900 Project Name: LITTUE CREEK Project Number: 12-167	Method of Shi	pment/Carrier;	_	_			TATE	different		3 week 2 week	s	-				ģ	FUTTE				Wal Lah Sah	melup Staplan	A	
Project Number 12-167	Shipping/Trac	king No:	La Trans	for a		1	40	X	3	l week 2 days 1 day	re-in-	100 TV	mple (V//N)	C/A (deline)	Dro	Sec	137				Jeb	SDG No.		
Sample Identification	Sample Date	Sample Time	Air	Sediment	Selid Other:	112804	HNO3			ZaAc/ NaOH	Unpres	Cine	Filtered Sam	Composite C/Chab C	HOLL	Med	PAINT					Sample Specific ! Special Instruct		
LC-2000-3-12-2013	3-13-13			X							A		N	C	İ	İ	i					-[
														1										
					+										-						+		-	
							113							1							1			
														1							+			
																				+				
Special Instructions/QC Requirements & Comments:		Poison B	- 1	is/	Unknown		mple I				be ass	essed if Dispo	f sam osal E	ples a By Lab	re re			er than 1 rchive Fo		Mo:	mths			
	RTAT													_	_			10			lp.	mis . F		
Relinquished by An Col	Company:	ENV	17	ate/Time	201			?	Receiv	ed by:	ule	16	1	to	Du	и	er	C	ompany; TA		Da	te/Time:	100)
Relinquished by:	Company:		D	3/3 ate/Time	Σί	10	00	D	Recei	red in	Labora	atory by	y:			_			Ompany:		Dat	8-14-13@ 0 toTime:	830	F
02/06, TeleAmenica Laboratorios, Inc. (All rights reserved.																						TAL-0018 (100	08)	

Login Sample Receipt Checklist

Client: Bay Environmental Inc

Job Number: 490-21675-1 SDG Number: 12-167

List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

Login Number: 21675

Creator: McBride, Mike		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

J

4

6

0

9

4 4

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-21890-1

TestAmerica Sample Delivery Group: 12-167

Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

3/20/2013 1:53:57 PM

Ken Hayes Project Manager I

ken.hayes@testamericainc.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

TestAmerica Job ID: 490-21890-1 SDG: 12-167

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	11
Chronicle	12
Method Summary	13
Certification Summary	
Chain of Custody	15
Receipt Checklists	

4

5

7

0

10

45

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-21890-1	LC-2000-3-14-2013	Solid	03/15/13 14:00	03/16/13 08:00

3

4

5

Q

9

10

12

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

Job ID: 490-21890-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-21890-1

Comments

No additional comments.

Receipt

The sample was received on 3/16/2013 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Due to the high concentration of C10-C28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 65528 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) 8015B: The following sample(s) were diluted due to the nature of the sample matrix: (490-21727-1 MS), (490-21727-1 MSD). As such, surrogate and spike recoveries were diluted out and are not accurate.

Method(s) 8015B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not accurate: CS01 (490-21727-1).

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

_

6

8

9

1 1

12

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

Glossary

RER

RPD

TEF

TEQ

RL

Relative error ratio

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control

TestAmerica Nashville

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-21890-1

SDG: 12-167

Client Sample ID: LC-2000-3-14-2013

Lab Sample ID: 490-21890-1 Date Collected: 03/15/13 14:00

Matrix: Solid

Method: 8015B - Gasoline Range	Organics - (G	C)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		4.6	3.0	mg/Kg		03/16/13 20:26	03/18/13 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	105		50 - 150				03/16/13 20:26	03/18/13 17:34	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	6.7		4.9	1.4	mg/Kg		03/16/13 06:13	03/17/13 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	62		50 - 150				03/16/13 06:13	03/17/13 13:43	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	Absent		0.10	0.10	NONE			03/19/13 17:07	1

Surrogate

a,a,a-Trifluorotoluene

TestAmerica Job ID: 490-21890-1

SDG: 12-167

Lab Sample ID: MB 490-65691/13							Client Sa	ample ID: Metho	
Matrix: Solid								Prep Type: 1	otal/NA
Analysis Batch: 65691	MR	МВ							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0		mg/Kg			03/18/13 11:49	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	95	•	50 - 150			-	· ·	03/18/13 11:49	1
Lab Sample ID: MB 490-65691/14							Client Sa	ample ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	
Analysis Batch: 65691									
	MB	MB							
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0	3.3	mg/Kg			03/18/13 12:10	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		50 - 150			=		03/18/13 12:10	1
 Lab Sample ID: MB 490-65691/25							Client Sa	ample ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	Γotal/NA
Analysis Batch: 65691									
Analyte		MB Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND	Qualifici	5.0		mg/Kg		Tropurcu	03/18/13 16:52	1
,	**5	***			0 0				
Surregate	MB % Basayanı	MB Qualifier	Limits				Dronorod	Analyzad	Dil Fac
Surrogate a,a,a-Trifluorotoluene	%Recovery	Qualifier	50 - 150			-	Prepared	Analyzed 03/18/13 16:52	Dii Fac
	700		00 - 700					00,10,10,10.02	,
Lab Sample ID: MB 490-65691/26							Client Sa	ample ID: Metho	
Matrix: Solid								Prep Type: 1	Γotal/NA
Analysis Batch: 65691	МВ	МВ							
Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND	- Cuuliioi	5.0		mg/Kg		Tropulou	03/18/13 17:13	1
	40	440							
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	70 Recovery	- Quantitet	50 ₋ 150			-	Frepareu	03/18/13 17:13	
<u></u>									
Lab Sample ID: MB 490-65691/46							Client Sa	ample ID: Metho	
Matrix: Solid								Prep Type: 1	Γotal/NA
Analysis Batch: 65691	MD	МВ							
Analyte		MB Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.0		mg/Kg		opuiou	03/19/13 00:06	1
		440			- •				
	MB	MB							

Analyzed

03/19/13 00:06

Prepared

Limits

50 - 150

%Recovery Qualifier

102

Dil Fac

TestAmerica Job ID: 490-21890-1

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 490-65691/47 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65691

мв мв RL MDL Unit Result Qualifier D Analyzed Dil Fac Analyte Prepared 5.0 03/19/13 00:27 GRO (C6-C10) ND 3.3 mg/Kg

MB MB

Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 50 - 150 03/19/13 00:27 a,a,a-Trifluorotoluene 101

Lab Sample ID: LCS 490-65691/21

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65691

LCS LCS Spike %Rec. Added Result Qualifier Unit Limits Analyte %Rec GRO (C6-C10) 125 10.0 12.5 70 - 130 mg/Kg

LCS LCS

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 134

Lab Sample ID: LCS 490-65691/22

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65691

LCS LCS Spike %Rec. Added Result Qualifier Unit %Rec Limits GRO (C6-C10) 10.0 12.3 123 70 - 130 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 134 50 - 150

Lab Sample ID: LCSD 490-65691/17

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid Analysis Batch: 65691

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit GRO (C6-C10) 10.0 11.7 mg/Kg 117 70 - 130 21

LCSD LCSD

%Recovery Qualifier Surrogate Limits a,a,a-Trifluorotoluene 118 50 - 150

Lab Sample ID: LCSD 490-65691/18

Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65691

Spike LCSD LCSD %Rec. RPD Added Analyte Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) 10.0 12.1 mg/Kg 121 70 - 130 21

LCSD LCSD Surrogate %Recovery Qualifier Limits

128 50 - 150 a,a,a-Trifluorotoluene

TestAmerica Nashville

TestAmerica Job ID: 490-21890-1

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCSD 490-65691/44 Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 65691

Spike LCSD LCSD %Rec. RPD Added Limits RPD Result Qualifier %Rec Limit Analyte Unit D GRO (C6-C10) 10.0 10.4 mg/Kg 104 70 - 130 18 21

LCSD LCSD

%Recovery Qualifier Limits Surrogate 50 - 150 a,a,a-Trifluorotoluene 130

Lab Sample ID: LCSD 490-65691/45 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 65691

LCSD LCSD Spike %Rec. RPD Added Result Qualifier RPD %Rec Limits Limit Analyte Unit GRO (C6-C10) 10.0 121 12.1 mg/Kg 70 - 130 21

LCSD LCSD

Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 136

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-65528/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 65651 Prep Batch: 65528

мв мв

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 03/16/13 06:13 03/17/13 08:33 Diesel Range Organics [C10-C28] ND 5.0 1.4 mg/Kg

MB MB

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac o-Terphenyl (Surr) 71 50 - 150 03/16/13 06:13 03/17/13 08:33

Analysis Batch: 65651

Lab Sample ID: LCS 490-65528/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Prep Batch: 65528

Spike LCS LCS %Rec Added Qualifier Analyte Result Unit %Rec 40.0 35.9 mg/Kg 54 - 130 **Diesel Range Organics**

[C10-C28]

LCS LCS

9200

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 90 50 - 150

Lab Sample ID: 490-21727-A-1-B MS

Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 65651** Prep Batch: 65528 MS MS Sample Sample Spike %Rec. Result Qualifier Added Result Qualifier %Rec Analyte Unit

749 E 4

mg/Kg

39.0

Diesel Range Organics [C10-C28]

10 _ 142

-2159

5

TestAmerica Nashville

QC Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-21890-1

SDG: 12-167

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 490-21727-A-1-B MS

Lab Sample ID: 490-21727-A-1-C MSD

Matrix: Solid

Matrix: Solid

Analyte

[C10-C28]

Analysis Batch: 65651

Analysis Batch: 65651

Diesel Range Organics

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 65528

MS MS

Sample Sample

9200

Result Qualifier

Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl (Surr) 0 X

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 65528

RPD %Rec.

RPD Limit %Rec Limits 10 - 142 47 -2117

756 E 4

MSD MSD

Result Qualifier

Unit

mg/Kg

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) $\overline{0} \overline{X}$ 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-21803-C-2 DU Client Sample ID: Duplicate Prep Type: Total/NA

Spike

Added

39.8

Matrix: Solid

Analysis Batch: 66027

RPD Sample Sample DU DU Result Qualifier Result Qualifier Unit Limit Free Liquid Absent Absent NONE NC

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

GC VOA

Prep Batch: 65644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21890-1	LC-2000-3-14-2013	Total/NA	Solid	5030B	

Analysis Batch: 65691

Prep Batch	Method	Matrix	Prep Type	Client Sample ID	Lab Sample ID
65644	8015B	Solid	Total/NA	LC-2000-3-14-2013	490-21890-1
	8015B	Solid	Total/NA	Lab Control Sample	LCS 490-65691/21
	8015B	Solid	Total/NA	Lab Control Sample	LCS 490-65691/22
	8015B	Solid	Total/NA	Lab Control Sample Dup	LCSD 490-65691/17
	8015B	Solid	Total/NA	Lab Control Sample Dup	LCSD 490-65691/18
	8015B	Solid	Total/NA	Lab Control Sample Dup	LCSD 490-65691/44
	8015B	Solid	Total/NA	Lab Control Sample Dup	LCSD 490-65691/45
	8015B	Solid	Total/NA	Method Blank	MB 490-65691/13
	8015B	Solid	Total/NA	Method Blank	MB 490-65691/14
	8015B	Solid	Total/NA	Method Blank	MB 490-65691/25
	8015B	Solid	Total/NA	Method Blank	MB 490-65691/26
	8015B	Solid	Total/NA	Method Blank	MB 490-65691/46
	8015B	Solid	Total/NA	Method Blank	MB 490-65691/47

GC Semi VOA

Prep Batch: 65528

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21727-A-1-B MS	Matrix Spike	Total/NA	Solid	3550B	_
490-21727-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
490-21890-1	LC-2000-3-14-2013	Total/NA	Solid	3550B	
LCS 490-65528/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-65528/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 65651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21727-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B	65528
490-21727-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	65528
490-21890-1	LC-2000-3-14-2013	Total/NA	Solid	8015B	65528
LCS 490-65528/2-A	Lab Control Sample	Total/NA	Solid	8015B	65528
MB 490-65528/1-A	Method Blank	Total/NA	Solid	8015B	65528

General Chemistry

Analysis Batch: 66027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-21803-C-2 DU	Duplicate	Total/NA	Solid	9095B	
490-21890-1	LC-2000-3-14-2013	Total/NA	Solid	9095B	

TestAmerica Nashville

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

Client Sample ID: LC-2000-3-14-2013

Date Collected: 03/15/13 14:00 Date Received: 03/16/13 08:00 Lab Sample ID: 490-21890-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			65644	03/16/13 20:26	ML	TAL NSH
Total/NA	Analysis	8015B		1	65691	03/18/13 17:34	ВН	TAL NSH
Total/NA	Prep	3550B			65528	03/16/13 06:13	AK	TAL NSH
Total/NA	Analysis	8015B		1	65651	03/17/13 13:43	GH	TAL NSH
Total/NA	Analysis	9095B		1	66027	03/19/13 17:07	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

E

8

9

10

11

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

9

4

5

6

a

10

11

12

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-21890-1

SDG: 12-167

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date			
	ACIL		393	10-30-13			
A2LA	ISO/IEC 17025		0453.07	12-31-13			
Alabama	State Program	4	41150	05-31-13			
Alaska (UST)	State Program	10	UST-087	07-24-13			
Arizona	State Program	9	AZ0473	05-05-13			
Arkansas DEQ	State Program	6	88-0737	04-25-13			
California	NELAP	9	1168CA	10-31-13			
Connecticut	State Program	1	PH-0220	12-31-13			
Florida	NELAP	4	E87358	06-30-13			
Illinois	NELAP	5	200010	12-09-13			
lowa	State Program	7	131	05-01-14			
Kansas	NELAP	7	E-10229	10-31-13			
Kentucky (UST)	State Program	4	19	09-15-13			
Louisiana	NELAP	6	30613	06-30-13			
Maryland	State Program	3	316	03-31-13			
Massachusetts	State Program	1	M-TN032	06-30-13			
Minnesota	NELAP	5	047-999-345	12-31-13			
Mississippi	State Program	4	N/A	06-30-13			
Montana (UST)	State Program	8	NA	01-01-15			
Nevada	State Program	9	TN00032	07-31-13			
New Hampshire	NELAP	1	2963	10-09-13			
New Jersey	NELAP	2	TN965	06-30-13			
New York	NELAP	2	11342	04-01-13			
North Carolina DENR	State Program	4	387	12-31-13			
North Dakota	State Program	8	R-146	06-30-13			
Ohio VAP	State Program	5	CL0033	01-19-14			
Oklahoma	State Program	6	9412	08-31-13			
Oregon	NELAP	10	TN200001	04-30-13			
Pennsylvania	NELAP	3	68-00585	06-30-13			
Rhode Island	State Program	1	LAO00268	12-30-13			
South Carolina	State Program	4	84009 (001)	03-28-14			
South Carolina	State Program	4	84009 (002)	02-23-14			
Tennessee	State Program	4	2008	02-23-14			
Texas	NELAP	6	T104704077-09-TX	08-31-13			
USDA	Federal		S-48469	11-02-13			
Utah	NELAP	8	TAN	06-30-13			
Virginia	NELAP	3	460152	06-14-13			
Washington	State Program	10	C789	07-19-13			
West Virginia DEP	State Program	3	219	02-28-14			
Wisconsin	State Program	5	998020430	08-31-13			
Wyoming (UST)	A2LA	8	453.07	12-31-13			

_

9



COOLER RECEIPT FO



Cooler Received/Opened On: 3/16/201	13 @0800		490-21890 Chain of Custody
1. Tracking # 9143	(last 4 digits, FedEx)	-1	
Courier:Fed-Ex	IR Gun ID: <u>14740456</u>		
2. Temperature of rep. sample or tem	np blank when opened:_	Degrees	Celsius
3. If Item #2 temperature is 0°C or les	s, was the representative	sample or temp bla	ank frozen? YES NO.(NA)
4. Were custody seals on outside of o	cooler?		ESNONA
If yes, how many and where:		1 Front	
5. Were the seals intact, signed, and	dated correctly?		ESNONA
6. Were custody papers inside cooler	77		VES NONA
I certify that I opened the cooler and a	answered questions 1-6 (int(al)	F
7. Were custody seals on containers:	YES	NO and Ir	ntact YESNO.CNA
Were these signed and dated corre	ectly?		YESNO. (NA)
8. Packing mat'l used? Bubblewrap	Plastic bag Peanuts V	ermiculite Foam In	nsert Paper Other None
9. Cooling process:	(Tce) Ice-pack	Ice (direct contac	et) Dry Ice Other None
10. Did all containers arrive in good o	condition (unbroken)?		YES)NONA
11. Were all container labels complete	e (#, date, signed, pres.,	etc)?	(ES).NONA
12. Did all container labels and tags a	agree with custody paper	·s7	ES).NONA
13a. Were VOA vials received?			YES. NO. NA
b. Was there any observable heads	space present in any VOA	A vial?	YESNONA
14. Was there a Trip Blank In this coo	oler? YESNONA) If multiple cool	ers, sequence #_MA_
I certify that I unloaded the cooler and	d answered guestions 7-1	4 (intial)	F
15a. On pres'd bottles, did pH test str	rips suggest preservation	n reached the corre	ot pH level? YESNO.(NA)
b. Did the bottle labels indicate tha	at the correct preservativ	es were used	ES)NONA
16. Was residual chlorine present?			YESNO. (NA)
I certify that I checked for chlorine and	d pH as per SOP and ans	wered questions 15	5-16 (intial)
17. Were custody papers properly fille	ed out (ink, signed, etc)?	r	(YES)NONA
18. Did you sign the custody papers I	In the appropriate place?	(i	ES.NONA
19. Were correct containers used for	the analysis requested?		VESZ.NONA
20. Was sufficient amount of sample	sent in each container?		VES .NONA
I certify that I entered this project into	LIMS and answered que	stions 17-20 (intial)	F
I certify that I attached a label with the	unique LIMS number to	each container (int	(al) =
21 Were there Non-Conformance les	use at login? VES AIO	Mas a NCM conors	todo ves Min #

Chain of Custody Record

Test,	An	ne	rica
. 0011	**		100

3/20/2013

Page 16 of 17

Test	America Labora	atory location tory program			DW	, T	□ N	BDEC			pcp /			Ot	K	_					-	_		THELE	ADER IN ENVIRONMENT	AL TESTING
Client Contact		Age Superior			DW					_	RCRA	1	ےار											T	estAmerica Laborat	tories, Inc.
BAY ENVIRONMENTAL	Client Project	Manager: M CA	th	ON				Contact	ti.							Lab Contnet:									COC No:	
PO BOX 2666	Telephones						Telep	hone:								Telepl	ione:									COCs
CHESAPEAVE VA 23327	Email:							Am	ilysis (j	Turna n BUS	round lays)	Time							A	nalys	ses				Public disconte	
757 436 5900						- 4		TAT if					-					0							Well-in ellent vio fickup	100 (100 (100 (100 (100 (100 (100 (100
Project Name: CREEK	Method of Ship							2	4	द्वा	1 wee	:ks :k		Democratic	C) U	120	00	PURR	П						10 (Sumpling	
Project Number: 12-167	Shipping/Track	ding No:	Interior			- 1/1 liv - 1/2 c	li de la constantina della constantina della con			Z	2 day 1 day	5		Sample (V / N)	Grab	à	3	1							Int SDG No.	
PO#					drik				maline			stives		of Samp	o allso	7	AJ	MINT			d				Sample Specific	Notes /
Sample Identification .	Sample Date	Sample Time	Alt	Aqurous	Solid	Other:	H2S04	HINO3	HCI	NaOH	ZnAc/ NuOH	Unpres	Others	(Mitte)	Confr	1	1	B							Special Instruc	
LC-2000-3-14-2013	3/15/13	1400		R								X		N	C	l	1	1				Lo	c: 490)		
- Compa										-					-				4		-	2	189	00		
			H	+	H								_	\mathbb{H}	-					4	-					
			H	+	Н				111/	117				+	-	-			-	+	T	1	1	H		-
	1			+		1			-			-		+				+	+		+	+	+			-
			H									-		-					+	+	+	+	+	H		
			Ħ	T										H						T	7	†	+			
																						i				
							19			-																
Possible Hazard Identification Non-Hazard Flammable Sk ecial Instructions/QC Requirements & Comments:	in Imitant [Poison B		K	Un	ûcnown	Sa:	mple D	Pispos: Return	al (A)	fee ma	y be a	ssessed	d if sam sposal	ples: By La	are re	tained	longer Ard	than 1 hive For	month	1)			Months		
24	Hou	MR-T	A	T																						
Relinquished by	Сонирану:	CALL	-	Date/Ti	me:	2013	1	Sor	7	Regei	ved by	ini	0.	0	1	2	7, ,	ler	C	ompany TF	ž	-	_		Date/time:/ 3/15/13	1500
Retinquished by: Chuly a Bancer	Company:	100		Date Ti	me:	13		en	0	Recei	vied by		1			_		un	C	ompany ompany	50	1	4	1	Date/Time: 3-16-13 0	
Relinquished by:	Company:		_	Date/Ti	-	-				Recei	water	Labo	ratory	by:		_			C	ompany	y:	_	10		Date/Time:	
	518										_															

Login Sample Receipt Checklist

Client: Bay Environmental Inc

Job Number: 490-21890-1

SDG Number: 12-167

Login Number: 21890 List Source: TestAmerica Nashville

List Number: 1 Creator: Ford, Easton

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-23177-1

TestAmerica Sample Delivery Group: 12-167

Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Kuth Haye

Authorized for release by: 4/3/2013 5:33:16 PM

Ken Hayes

Project Manager I

ken.hayes@testamericainc.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

TestAmerica Job ID: 490-23177-1 SDG: 12-167

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	9
Chronicle	10
Method Summary	11
Certification Summary	12
Chain of Custody	13
Receipt Checklists	15

3

4

9

10

12

1:

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23177-1

SDG: 12-167

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-23177-1	LC-2000-3-28-2013	Soil	03/29/13 12:00	04/02/13 08:15

3

4

5

6

8

9

10

46

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23177-1

SDG: 12-167

Job ID: 490-23177-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-23177-1

Comments

No additional comments.

Receipt

The sample was received on 4/2/2013 8:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The continuing calibration verification (CCV) for C10-C28 associated with batch 69428 recovered above the upper control limit. The following samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported: LC-2000-3-28-2013 (490-23177-1).

Method(s) 8015B: The method blank for batch 69428 contained C10-C28 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Pre

No analytical or quality issues were noted.

4

E

6

7

8

9

1 1

12

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23177-1

SDG: 12-167

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	

Glossary

RL

RPD TEF

TEQ

Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Relative Percent Difference, a measure of the relative difference between two points

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23177-1

SDG: 12-167

Client Sample ID: LC-2000-3-28-2013

Date Collected: 03/29/13 12:00 Date Received: 04/02/13 08:15 Lab Sample ID: 490-23177-1

Matrix: Soil

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		5.1	3.3	mg/Kg		04/02/13 13:43	04/02/13 18:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150				04/02/13 13:43	04/02/13 18:38	1
- Method: 8015B - Diesel Range (Organics (DRO)	(GC)							
Analyte	• ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.9	1.4	mg/Kg		04/02/13 08:32	04/03/13 00:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	70		50 - 150				04/02/13 08:32	04/03/13 00:05	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	Present		0.10	0.10	NONE			04/02/13 17:06	

TestAmerica Job ID: 490-23177-1

SDG: 12-167

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-69397/14 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 69397

мв мв RL MDL Unit Result Qualifier D Analyzed Dil Fac Analyte Prepared 5.0 04/02/13 14:08 GRO (C6-C10) ND 3.3 mg/Kg

MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 50 - 150 04/02/13 14:08 a,a,a-Trifluorotoluene 106

Lab Sample ID: LCS 490-69397/8

Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 69397

LCS LCS Spike %Rec. Added Result Qualifier Unit Limits Analyte %Rec GRO (C6-C10) 1.00 1.08 108 70 - 130 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits 50 - 150 a,a,a-Trifluorotoluene 110

Lab Sample ID: LCSD 490-69397/46

Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 69397

LCSD LCSD RPD Spike %Rec. Added Qualifier Result Unit %Rec Limits RPD Limit GRO (C6-C10) 1.00 0.998 100 70 - 130 8 21 mg/Kg

LCSD LCSD Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 109 50 - 150

Lab Sample ID: 490-23177-1 MS Client Sample ID: LC-2000-3-28-2013

Matrix: Soil

Analysis Batch: 69397 MS MS Sample Sample Spike

%Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits GRO (C6-C10) ND 50.7 59.2 mg/Kg 117 56 - 130

MS MS %Recovery Surrogate Qualifier Limits a,a,a-Trifluorotoluene 117 50 - 150

Client Sample ID: LC-2000-3-28-2013 Lab Sample ID: 490-23177-1 MSD

Matrix: Soil

Analysis Batch: 69397 Prep Batch: 69601 MSD MSD

Sample Sample Spike %Rec. RPD Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits RPD Limit GRO (C6-C10) ND 50.7 51.7 mg/Kg 102 56 - 130 14 21

MSD MSD Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 115 50 - 150

TestAmerica Nashville

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 69601

TestAmerica Job ID: 490-23177-1

SDG: 12-167

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-69428/1-A

Matrix: Solid

Analysis Batch: 69514

Diesel Range Organics [C10-C28]

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 69428

мв мв Analyte

RL MDL Unit Result Qualifier D Prepared Analyzed Dil Fac 5.0 04/02/13 07:32 3.14 J 1.4 mg/Kg 04/02/13 17:54

mg/Kg

MB MB

Limits Dil Fac Surrogate %Recovery Qualifier Prepared Analyzed 50 - 150 04/02/13 07:32 04/02/13 17:54 o-Terphenyl (Surr) 84

Lab Sample ID: LCS 490-69428/2-A

Matrix: Solid

Analysis Batch: 69514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 69428

LCS LCS Spike Added Result Qualifier Analyte Unit Limits %Rec 40.0 42.2 105 54 - 130 Diesel Range Organics mg/Kg

[C10-C28]

LCS LCS

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 93 50 - 150

Lab Sample ID: 490-23121-B-1-C MS

Matrix: Solid

Analysis Batch: 69514

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 69428

Sample Sample Spike MS MS %Rec. Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits 10 - 142

38.8

46.5

Diesel Range Organics [C10-C28]

MS MS

28 B

Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl (Surr) 90

Lab Sample ID: 490-23121-B-1-D MSD

Matrix: Solid

Analysis Batch: 69514

Client Sample ID: Matrix Spike Duplicate

48

Prep Type: Total/NA Prep Batch: 69428

%Rec.

Spike MSD MSD Sample Sample %Rec Result Qualifier babbA Result Qualifier Limits RPD Limit Analyte Unit D 38.6 Diesel Range Organics 28 B 38.2 mg/Kg 27 10 - 142 20 47

[C10-C28]

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 75 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-23177-1 DU Client Sample ID: LC-2000-3-28-2013

Matrix: Soil

Analysis Batch: 69680								
	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Free Liquid	Present		Present		NONE		NC	

TestAmerica Nashville

Prep Type: Total/NA

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23177-1

SDG: 12-167

GC VOA

Analysis Batch: 69397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23177-1	LC-2000-3-28-2013	Total/NA	Soil	8015B	69601
490-23177-1 MS	LC-2000-3-28-2013	Total/NA	Soil	8015B	69601
490-23177-1 MSD	LC-2000-3-28-2013	Total/NA	Soil	8015B	69601
LCS 490-69397/8	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-69397/46	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-69397/14	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 69601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23177-1	LC-2000-3-28-2013	Total/NA	Soil	5030B	_
490-23177-1 MS	LC-2000-3-28-2013	Total/NA	Soil	5030B	
490-23177-1 MSD	LC-2000-3-28-2013	Total/NA	Soil	5030B	

GC Semi VOA

Prep Batch: 69428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23121-B-1-C MS	Matrix Spike	Total/NA	Solid	3550B	
490-23121-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3550B	
490-23177-1	LC-2000-3-28-2013	Total/NA	Soil	3550B	
LCS 490-69428/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-69428/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 69514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23121-B-1-C MS	Matrix Spike	Total/NA	Solid	8015B	69428
490-23121-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	69428
490-23177-1	LC-2000-3-28-2013	Total/NA	Soil	8015B	69428
LCS 490-69428/2-A	Lab Control Sample	Total/NA	Solid	8015B	69428
MB 490-69428/1-A	Method Blank	Total/NA	Solid	8015B	69428

General Chemistry

Analysis Batch: 69680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23177-1	LC-2000-3-28-2013	Total/NA	Soil	9095B	
490-23177-1 DU	LC-2000-3-28-2013	Total/NA	Soil	9095B	

TestAmerica Nashville

2

6

8

46

11

12

1

4/3/2013

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-23177-1

SDG: 12-167

Client Sample ID: LC-2000-3-28-2013

Lab Sample ID: 490-23177-1 Date Collected: 03/29/13 12:00

Matrix: Soil

Date Received: 04/02/13 08:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			69601	04/02/13 13:43	ML	TAL NSH
Total/NA	Analysis	8015B		1	69397	04/02/13 18:38	ВН	TAL NSH
Total/NA	Prep	3550B			69428	04/02/13 08:32	AK	TAL NSH
Total/NA	Analysis	8015B		1	69514	04/03/13 00:05	JF	TAL NSH
Total/NA	Analysis	9095B		1	69680	04/02/13 17:06	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23177-1

SDG: 12-167

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

7

8

4.0

11

12

Certification Summary

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-23177-1

SDG: 12-167

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date 10-30-13		
	ACIL		393			
A2LA	ISO/IEC 17025		0453.07	12-31-13		
Alabama	State Program	4	41150	05-31-13		
Alaska (UST)	State Program	10	UST-087	07-24-13		
Arizona	State Program	9	AZ0473	05-05-14		
Arkansas DEQ	State Program	6	88-0737	04-25-13		
California	NELAP	9	1168CA	10-31-13		
Connecticut	State Program	1	PH-0220	12-31-13		
Florida	NELAP	4	E87358	06-30-13		
Illinois	NELAP	5	200010	12-09-13		
owa	State Program	7	131	05-01-14		
Kansas	NELAP	7	E-10229	10-31-13		
Kentucky (UST)	State Program	4	19	09-15-13		
Louisiana	NELAP	6	30613	06-30-13		
Maryland	State Program	3	316	03-31-14		
Massachusetts	State Program	1	M-TN032	06-30-13		
Minnesota	NELAP	5	047-999-345	12-31-13		
Mississippi	State Program	4	N/A	06-30-13		
Montana (UST)	State Program	8	NA	01-01-15		
Nevada	State Program	9	TN00032	07-31-13		
New Hampshire	NELAP	1	2963	10-09-13		
New Jersey	NELAP	2	TN965	06-30-13		
New York	NELAP	2	11342	04-01-13		
North Carolina DENR	State Program	4	387	12-31-13		
North Dakota	State Program	8	R-146	06-30-13		
Ohio VAP	State Program	5	CL0033	01-19-14		
Oklahoma	State Program	6	9412	08-31-13		
Oregon	NELAP	10	TN200001	04-30-13		
Pennsylvania	NELAP	3	68-00585	06-30-13		
Rhode Island	State Program	1	LAO00268	12-30-13		
South Carolina	State Program	4	84009 (001)	04-30-14		
South Carolina	State Program	4	84009 (002)	02-23-14		
Tennessee	State Program	4	2008	02-23-14		
Texas	NELAP	6	T104704077-09-TX	08-31-13		
USDA	Federal		S-48469	11-02-13		
Utah	NELAP	8	TAN	06-30-13		
Virginia	NELAP	3	460152	06-14-13		
Washington	State Program	10	C789	07-19-13		
West Virginia DEP	State Program	3	219	02-28-14		
Wisconsin	State Program	5	998020430	08-31-13		
Wyoming (UST)	A2LA	8	453.07	12-31-13		

Virginia Beach

COOLER RECEIPT FORM

TestAmerica THE LEADER IN ENVIRONMENTAL TESTING Nashville, TN

Nashving, IV	490-23177 Chain of Cue
Cooler Received/Opened On 4/2/2013 @ 0815	
1. Tracking # 7499 (last 4 digits, FedEx)	
Courier: FedEx IR Gun ID 94660220	
2. Temperature of rep. sample or temp blank when opened: Degrees Celsius	
3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen	17 YES NO. NA
4. Were custody seals on outside of cooler?	VESZ.NONA
If yes, how many and where: () Frecond	
5. Were the seals intact, signed, and dated correctly?	YES, NONA
6. Were custody papers inside cooler?	YES NO NA
I certify that I opened the cooler and answered questions 1-6 (intial)	@
7. Were custody seals on containers: YES (NO) and Intact	YESNO
Were these signed and dated correctly?	YESNO.(NA)
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pag	per Other None
9. Cooling process: [Ce Ice-pack Ice (direct contact) Dry I	ce Other None
10. Did all containers arrive in good condition (unbroken)?	YES NO NA
11. Were all container labels complete (#, date, signed, pres., etc)?	YES. NONA
12. Did all container labels and tags agree with custody papers?	YES .NONA
13a. Were VOA vials received?	YES. NO. NA
b. Was there any observable headspace present in any VOA vial?	YESNO. NA
14. Was there a Trip Blank in this cooler? YESNO. NA If multiple coolers, seque	ence #
certify that I unloaded the cooler and answered questions 7-14 (intial)	(W)
15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH leve	17 YESNO.(NA)
b. Did the bottle labels indicate that the correct preservatives were used	YESNO. NA
16. Was residual chlorine present?	YESNO. NA
certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial	
17. Were custody papers properly filled out (ink, signed, etc)?	(YES).NONA
18. Did you sign the custody papers in the appropriate place?	YESNONA
19. Were correct containers used for the analysis requested?	YES, NONA
20. Was sufficient amount of sample sent in each container?	MES.).NONA
certify that I entered this project into LIMS and answered questions 17-20 (intial)	(M)
certify that I attached a label with the unique LIMS number to each container (intial)	TO TO







Chain of Custody Record

TestAmeric	Too	thn	anri	~
11 - 2 - 1 - 1 - 1 - 1 - 1	163	11/1	IEII	_(
		,,, (, ,	1011	_

Client Contact	Regulat	ory program:		D		Site C	PDES		_ P	RCRA			Other	Lab (Contact						merica Laboratories, Inc
BAY ENVIRONMENTAL	J	m C	4H	201	/																1
P 0 Box 21066	Telephone:	7 816				Telep	hone:							Telep	hone:						of / cocs
State/Zip: HESAPEAKE VA 23327	Email:	Dbay-	envi	mm	estal.		Ŷn.	ilysis I	turuar BUS di	opnd/I	linc						Analyse	s		The state of the s	hab as conty
757 436 5900	3	1					TAT if	different	-	ow Z	- 17	IR				V				双	Ten dren
LITTLE CLEEK	Method of Ship	ment/Carrier:								2 week	5				0	FILTER				Gai	Simplify [100]
ct Number:	Shipping/Track	ing No:							-	2 days			(N V)	DRO						101	Sbann in the state of the state
10 141				Matr	a o		Co	ntsiner	s & Pr	eservati	ves	ir Si	Sample	PH I	HJ.	PAINT					
Sample Identification	Sample Date	Sample Time	Alr	Sediment	Offiers	HZSO4	IIN03	HCI	HOW	ZuAc/ NaOH	Unpres		Piltered	7	7	2					Sample Specific Notes / Special Instructions:
C. 2000-3.28-2013	3.29.13	1200		x	I E						×		NC	1	i	1				11	0
	1 1 2				-					111											
					-	-							-			1					
			H	11	-					4						1				-	
				H	-	-				-	+	-				+		+		-	
			H	+	+				-	-	-	-				+			+	+	
			H	+	+	+					+	-	+			+	++		+	+	
ossible Hazard Identification Non-Hazard Flammable	kin Irritant	Poison B	Ц	1	Unknown	Sa	mple I	Disposa Return	l (A f	ee may	be ass	ssed if	f sample	s are r	etained	longer ti	ian 1 month)	11		onths	
ial Lastructions/QC Requirements & Comments: 24 Hour				-				ocumi	to che	ш	<u> </u>	Dispo	osai by i	-110	4	Aidii	e rui		NA	odus	
nquished by:	Company:				.2017		4:1	5	Receiv	/ed by	7	we	7	_	_		Company	FA		3 /2	1430 1430
nquished by the sum	Company:	J-1	D	ate/Time	13		77	10	Receiv	ed by:		00		1	4		Company:	-		Da	te Time:
nquished by:	Company:	2		ate Tirle	13	-/	16	TO			Labora		y:	_	_		Company:			Da	1-2-13 @ 0815

TAL-0018 (1008)

Login Sample Receipt Checklist

Client: Bay Environmental Inc

Job Number: 490-23177-1

SDG Number: 12-167

Login Number: 23177 List Source: TestAmerica Nashville

List Number: 1

Creator: McBride, Mike

ordator. mobilac, mine	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td>	True
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	N/A
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	N/A
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time.	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

TestAmerica Nashville

4

6

-

9

10

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-23963-1 Client Project/Site: Little Creek

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Authorized for release by:

Authorized for release by 4/12/2013 1:24:12 PM

Ken Hayes

Project Manager I

ken.hayes@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	8
Chronicle	9
Method Summary	10
Certification Summary	11
Chain of Custody	12
Pacaint Chacklists	14

4

6

Q

9

11

12

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23963-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-23963-1	LC-2000-4-10-13	Solid	04/10/13 14:00	04/11/13 08:40

3

/

5

7

ŏ

10

11

12

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-23963-1

Job ID: 490-23963-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-23963-1

Comments

No additional comments.

Receipt

The sample was received on 4/11/2013 8:40 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° C.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: Due to the high concentration of c10-c28, the matrix spike / matrix spike duplicate (MS/MSD) for batch 71771 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

Method(s) 3550B: Matrix very wet sample also used for MS and MSD

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

Б

_

8

9

4 4

12

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23963-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

TEF

TEQ

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek

TestAmerica Job ID: 490-23963-1

Lab Sample ID: 490-23963-1

Matrix: Solid

Date Collected: 04/10/13 14:00 Date Received: 04/11/13 08:40

Client Sample ID: LC-2000-4-10-13

Method: 8015B - Gasoline Range	Organics - (G	C)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		3.8	2.5	mg/Kg		04/11/13 13:43	04/11/13 19:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	91		50 - 150				04/11/13 13:43	04/11/13 19:07	1
- Method: 8015B - Diesel Range O	rganics (DRO)	(GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	13		4.9	1.4	mg/Kg		04/11/13 13:29	04/11/13 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	72		50 - 150				04/11/13 13:29	04/11/13 21:46	1
- General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac

TestAmerica Job ID: 490-23963-1

Client: Bay Environmental Inc Project/Site: Little Creek

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-71771/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 71771

Analysis Batch: 71666

мв мв Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

Analyte 5.0 04/11/13 13:29 04/11/13 21:14 Diesel Range Organics [C10-C28] ND 1.4 mg/Kg

MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed 50 - 150 04/11/13 13:29 04/11/13 21:14 o-Terphenyl (Surr) 67

Lab Sample ID: LCS 490-71771/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA Prep Batch: 71771

Analysis Batch: 71666

LCS LCS Spike Added Result Qualifier Analyte Unit Limits %Rec 40.0 98 39.3 54 - 130 Diesel Range Organics mg/Kg

[C10-C28]

Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 86 50 - 150

Lab Sample ID: 490-23963-1 MS Client Sample ID: LC-2000-4-10-13 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 71666 Sample Sample Spike MS MS

LCS LCS

Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits 10 - 142 Diesel Range Organics 13 40.0 127 F mg/Kg 285

[C10-C28]

MS MS Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl (Surr) 79

Lab Sample ID: 490-23963-1 MSD Client Sample ID: LC-2000-4-10-13

Matrix: Solid

Analysis Batch: 71666

Prep Batch: 71771 MSD MSD Sample Sample Spike %Rec. RPD %Rec Result Qualifier babbA Result Qualifier Limits RPD Limit Analyte Unit D Diesel Range Organics 13 39.9 49.6 F mg/Kg 91 10 - 142 88 47

[C10-C28]

MSD MSD Surrogate %Recovery Qualifier Limits o-Terphenyl (Surr) 85 50 - 150

Method: 9095B - Paint Filter

Lab Sample ID: 490-23767-B-2 DU **Client Sample ID: Duplicate** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 71885

DU DU RPD Sample Sample Analyte Result Qualifier Result Qualifier Unit D RPD Limit Free Liquid Absent Absent NONE

TestAmerica Nashville

Prep Batch: 71771

Prep Type: Total/NA

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23963-1

2

GC VOA

Analysis Batch: 71364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23963-1	LC-2000-4-10-13	Total/NA	Solid	8015B	71774

Prep Batch: 71774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23963-1	LC-2000-4-10-13	Total/NA	Solid	5030B	

7

GC Semi VOA

Analysis Batch: 71666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23963-1	LC-2000-4-10-13	Total/NA	Solid	8015B	71771
490-23963-1 MS	LC-2000-4-10-13	Total/NA	Solid	8015B	71771
490-23963-1 MSD	LC-2000-4-10-13	Total/NA	Solid	8015B	71771
LCS 490-71771/2-A	Lab Control Sample	Total/NA	Solid	8015B	71771
MB 490-71771/1-A	Method Blank	Total/NA	Solid	8015B	71771

Prep Batch: 71771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23963-1	LC-2000-4-10-13	Total/NA	Solid	3550B	
490-23963-1 MS	LC-2000-4-10-13	Total/NA	Solid	3550B	
490-23963-1 MSD	LC-2000-4-10-13	Total/NA	Solid	3550B	
LCS 490-71771/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-71771/1-A	Method Blank	Total/NA	Solid	3550B	

General Chemistry

Analysis Batch: 71885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-23767-B-2 DU	Duplicate	Total/NA	Solid	9095B	
490-23963-1	LC-2000-4-10-13	Total/NA	Solid	9095B	

TestAmerica Nashville

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23963-1

Lab Sample ID: 490-23963-1

Matrix: Solid

Client Sample ID: LC-2000-4-10-13

Date Collected: 04/10/13 14:00 Date Received: 04/11/13 08:40

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			71774	04/11/13 13:43	ML	TAL NSH
Total/NA	Analysis	8015B		1	71364	04/11/13 19:07	ВН	TAL NSH
Total/NA	Prep	3550B			71771	04/11/13 13:29	JP	TAL NSH
Total/NA	Analysis	8015B		1	71666	04/11/13 21:46	JL	TAL NSH
Total/NA	Analysis	9095B		1	71885	04/11/13 20:16	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

6

9

10

11

12

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek TestAmerica Job ID: 490-23963-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

4

7

8

10

11

1:

TestAmerica Job ID: 490-23963-1

Client: Bay Environmental Inc Project/Site: Little Creek

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Ilinois	NELAP	5	200010	12-09-13
owa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
_ouisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	04-30-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Гennessee	State Program	4	2008	02-23-14
Гехаѕ	NELAP	6	T104704077-09-TX	08-31-13
JSDA	Federal		S-48469	11-02-13
Jtah	NELAP	8	TAN	06-30-13
/irginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Visconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

Q

9

11

^{*} Expired certification is currently pending renewal and is considered valid.

COOLER RECEIPT F



490-23963 Chain of Custody

Courier: Fed-Ex IR Gun ID: 14740456	
2. Temperature of rep. sample or temp blank when opened: Degrees Celsius	
If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen?	VES NO KA
	0
Were custody seals on outside of cooler?	YESNONA
If yes, how many and where:	
5. Were the seals intact, signed, and dated correctly?	YESNO.(.NA)
6. Were custody papers inside cooler?	YES .NONA
I certify that I opened the cooler and answered questions 1-6 (Intial)	
7. Were custody seals on containers: YES NO and Intact	YESNONA
Were these signed and dated correctly?	YESNONA
8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Pape	er Other None
9. Cooling process: (Ce) Ice-pack Ice (direct contact) Dry ice	Other None
10. Did all containers arrive in good condition (unbroken)?	S.NONA
11. Were all container labels complete (#, date, signed, pres., etc)?	VES NONA
12. Did all container labels and tags agree with custody papers?	YES NO NA
13a. Were VOA vials received?	YESNONA
b. Was there any observable headspace present in any VOA vial?	YESNONA
14. Was there a Trip Blank in this cooler? YESNO(NA) If multiple coolers, sequen	ice # NA
certify that I unloaded the cooler and answered questions 7-14 (intial)	=
15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?	YESNO(NA)
b. Did the bottle labels indicate that the correct preservatives were used	(YES)NONA
16, Was residual chlorine present?	YESNONA
Learning that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial)	F
17. Were custody papers properly filled out (ink, signed, etc)?	VES NONA
	ES).NONA
18. Did you sign the custody papers in the appropriate place?	
18. Did you sign the custody papers in the appropriate place? 19. Were correct containers used for the analysis requested?	YES NO NA
19. Were correct containers used for the analysis requested?	YES NO NA
	YES NONA

Chain of Custody Record

					Chair	n of	Cus	tod	y R	eco	rd									1	les	stAme	erica
	merica Labora Regulat	tory location ory program		n	w		PDES	1		RCRA			Other							1		DER IN ENVIRONM	
Say Environmen &	Client Project N	danger:	oon.			Site C	Contact	:						Lab	Contac	et:						stAmerica Lab	or atories, nic.
Get Independence Plang #100		-		00		Telep	hone:	ī						Telep	ohone:						1	of	_ COCs
Checapeale VA 23320	Jime	hay-en	vive	wkla	folice	1	Ans	dysis l	Lurua Busa	round.	Time						Anal	lyses				จาไทยข้ายดปร	
757 436-5960							TATif	different		3 week	ks	-			1	>					TO THE REAL PROPERTY.	Verlangerjen । की जीव शाह	
roject Number:	Method of Ship Shipping/Track					1	7	H	≣V	loi	V	× .	N)	Q	0	ナル					STATE OF STATE OF	n Canding South	
0#			lisal in	Mate	表示等	3.8 部		mtaine		1 day	dvev	(4.4)	optic O	7	60	, t							
Sample Identification	Sample Date	Sample Time	Ally		Other:	H2SO4	HN03	нсі	100	ZnAe/ NaOH	80	Others	Composite			Pall						Sample Special Ins	
LC-2000-4-10-13	4/00			×										1	1	(T		
			H	+	-	-							H		1					H			
	1,1	1	1	1	E	-	+				^		ان	1	1				1	\Box			
	1 4	\setminus	VO	U	V		1	1	V	N	4	4	1						23	490 96	2		
			H	+	-		1				11.		H	-		\vdash					-		
è			H	+	-	-							H						1	Li	+		
													Ħ										
Possible Hazard Identification									1/1				Щ										
	Irritant [Poison B			Unknown		mpie I				7	Dis	posal By	Lab		Arch	ive For	нсь)		M	onths		-
200 1/					, ,																		
chinquished by:	Company:	Ehr		Date/Time	1011	3			Z	ved by	2	-	7		Č		Comp	TIPA	,	1.0		Date/Time: Date/Time:	13 08:40
delinquished by:	Company:			Outc/Time			_	_				ratory l	by:		_		Comp					Date/Time:	

Login Sample Receipt Checklist

Client: Bay Environmental Inc Job Number: 490-23963-1

Login Number: 23963 List Source: TestAmerica Nashville

List Number: 1 Creator: Ford, Easton

Cleator. Foru, Easton		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

J

5

6

8

. .

12



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville 2960 Foster Creighton Drive Nashville, TN 37204 Tel: (615)726-0177

TestAmerica Job ID: 490-24441-1

Client Project/Site: Little Creek 12-167.01

For:

Bay Environmental Inc 648 Independence Parkway Chesapeake, Virginia 23320

Attn: Jim Cahoon

Roxanne L Connor

Authorized for release by: 4/18/2013 3:51:20 PM Roxanne Connor Senior Project Manager roxanne.connor@testamericainc.com

Designee for

Ken Hayes
Project Manager I

ken.hayes@testamericainc.com

.....LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Case Narrative	
Definitions	5
Client Sample Results	6
QC Sample Results	7
QC Association	9
Chronicle	10
Method Summary	11
Certification Summary	12
Chain of Custody	13
Receipt Chacklists	15

1

5

7

8

40

11

Sample Summary

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-24441-1	LC-2000-4-15-2013	Solid	04/16/13 10:30	04/17/13 08:30

3

4

5

7

ŏ

10

11

12

Case Narrative

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

Job ID: 490-24441-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative 490-24441-1

Comments

No additional comments.

Receipt

The sample was received on 4/17/2013 8:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.9° C.

GC VOA

Method(s) 8015B: Batch 72978 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was cancelled at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) percent recoveries and %RPD for batch 73123 were outside control limits. This is attributed to non-homogeneity of the sample matrix and matrix interferences.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

4

3

4

6

O

9

10

12

Definitions/Glossary

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

RER

RPD

TEF TEQ

RL

Relative error ratio

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control

Client Sample Results

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

Client Sample ID: LC-2000-4-15-2013

Date Collected: 04/16/13 10:30 Date Received: 04/17/13 08:30

Lab Sample ID: 490-24441-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		10	6.6	mg/Kg		04/17/13 15:55	04/17/13 17:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		50 - 150				04/17/13 15:55	04/17/13 17:21	1
Diesel Range Organics [C10-C28]	1.7		5.0	1.4	mg/Kg		04/17/13 13:17	04/17/13 21:50	1
Method: 8015B - Diesel Range O Analyte	• ,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	66	-	50 - 150				04/17/13 13:17	04/17/13 21:50	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Free Liquid	Absent		0.10	0.40	NONE			04/17/13 14:53	

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-72978/14 Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 72978

RL MDL Unit Result Qualifier D Analyzed Dil Fac Analyte Prepared 04/17/13 16:12 GRO (C6-C10) ND 5.0 3.3 mg/Kg

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 50 - 150 04/17/13 16:12 a,a,a-Trifluorotoluene 92

Lab Sample ID: MB 490-72978/6

Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 72978

мв мв MDL Unit Dil Fac Result Qualifier RL D Analyzed Analyte Prepared GRO (C6-C10) 5.0 04/17/13 10:06 3.3 mg/Kg ND

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac a,a,a-Trifluorotoluene 95 50 - 150 04/17/13 10:06

Lab Sample ID: LCS 490-72978/5 Client Sample ID: Lab Control Sample

мв мв

Matrix: Solid

Analysis Batch: 72978

LCS LCS %Rec. Spike Added Result Qualifier Unit %Rec Limits GRO (C6-C10) 10.0 9.95 100 70 - 130 mg/Kg

LCS LCS Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 118 50 - 150

Lab Sample ID: LCSD 490-72978/29 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 72978

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit GRO (C6-C10) 10.0 11.1 mg/Kg 111 70 - 130

LCSD LCSD Surrogate %Recovery Qualifier Limits a,a,a-Trifluorotoluene 116 50 - 150

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 490-73123/1-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid Analysis Batch: 73005

MB MB Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac

Diesel Range Organics [C10-C28] ND 5.0 04/17/13 13:17 04/17/13 21:18 1.4 mg/Kg MB MB

%Recovery Qualifier Surrogate Limits Prepared Dil Fac Analyzed o-Terphenyl (Surr) 50 - 150 04/17/13 13:17 04/17/13 21:18 82

TestAmerica Nashville

Prep Batch: 73123

Prep Type: Total/NA

TestAmerica Job ID: 490-24441-1

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01

Surrogate

o-Terphenyl (Surr)

o-Terphenyl (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

%Recovery Qualifier

88

63

Lab Sample ID: LCS 490-73123/2-A Matrix: Solid Analysis Batch: 73005					Client	: Sample	Prep Ty	ntrol Sample oe: Total/NA Batch: 73123
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics [C10-C28]	40.0	35.2		mg/Kg		88	54 - 130	
LCS LCS								

Client Sample ID: LC-2000-4-15-2013 Lab Sample ID: 490-24441-1 MS **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 73005** Prep Batch: 73123 Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits

Diesel Range Organics

I.7 J 39.2 31.5 mg/Kg 76 10 - 142

[C10-C28]

MS MS

Surrogate %Recovery Qualifier Limits

50 - 150

Limits

50 - 150

Lab Sample ID: 490-24441-1 MSD

Matrix: Solid

Analysis Batch: 73005

Sample Sample Sample Spike MSD MSD

Client Sample ID: LC-2000-4-15-2013
Prep Type: Total/NA
Prep Batch: 73123
%Rec. RPD

Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits RPD Limit 1.7 J 39.1 251 E F 637 10 - 142 155 mg/Kg Diesel Range Organics [C10-C28]

 MSD MSD

 Surrogate
 %Recovery or more with the control of the control

Method: 9095B - Paint Filter

Lab Sample ID: 490-24441-1 DU

Matrix: Solid

Client Sample ID: LC-2000-4-15-2013

Prep Type: Total/NA

Analysis Batch: 73165

 Sample Analyte
 DU DU
 RPD

 Analyte Free Liquid
 Result Absent
 Qualifier Qualifier Absent
 Unit Qualifier Qualifier Qualifier NONE
 NONE
 NC

QC Association Summary

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

GC VOA

Analysis Batch: 72978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24441-1	LC-2000-4-15-2013	Total/NA	Solid	8015B	73189
LCS 490-72978/5	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 490-72978/29	Lab Control Sample Dup	Total/NA	Solid	8015B	
MB 490-72978/14	Method Blank	Total/NA	Solid	8015B	
MB 490-72978/6	Method Blank	Total/NA	Solid	8015B	

Prep Batch: 73189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24441-1	LC-2000-4-15-2013	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 73005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24441-1	LC-2000-4-15-2013	Total/NA	Solid	8015B	73123
490-24441-1 MS	LC-2000-4-15-2013	Total/NA	Solid	8015B	73123
490-24441-1 MSD	LC-2000-4-15-2013	Total/NA	Solid	8015B	73123
LCS 490-73123/2-A	Lab Control Sample	Total/NA	Solid	8015B	73123
MB 490-73123/1-A	Method Blank	Total/NA	Solid	8015B	73123

Prep Batch: 73123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24441-1	LC-2000-4-15-2013	Total/NA	Solid	3550B	
490-24441-1 MS	LC-2000-4-15-2013	Total/NA	Solid	3550B	
490-24441-1 MSD	LC-2000-4-15-2013	Total/NA	Solid	3550B	
LCS 490-73123/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 490-73123/1-A	Method Blank	Total/NA	Solid	3550B	

General Chemistry

Analysis Batch: 73165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24441-1	LC-2000-4-15-2013	Total/NA	Solid	9095B	
490-24441-1 DU	LC-2000-4-15-2013	Total/NA	Solid	9095B	

TestAmerica Nashville

- 3

6

8

10

12

Н

Lab Chronicle

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01

Date Received: 04/17/13 08:30

TestAmerica Job ID: 490-24441-1

Client Sample ID: LC-2000-4-15-2013 Lab Sample ID: 490-24441-1

Date Collected: 04/16/13 10:30

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			73189	04/17/13 15:55	ML	TAL NSH
Total/NA	Analysis	8015B		1	72978	04/17/13 17:21	ВН	TAL NSH
Total/NA	Prep	3550B			73123	04/17/13 13:17	JP	TAL NSH
Total/NA	Analysis	8015B		1	73005	04/17/13 21:50	JL	TAL NSH
Total/NA	Analysis	9095B		1	73165	04/17/13 14:53	RG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01 TestAmerica Job ID: 490-24441-1

Method	Method Description	Protocol	Laboratory
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
9095B	Paint Filter	SW846	TAL NSH

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

- 0

4

5

6

Q

10

11

12

TestAmerica Job ID: 490-24441-1

Client: Bay Environmental Inc Project/Site: Little Creek 12-167.01

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13
Arkansas DEQ	State Program	6	88-0737	04-25-13
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
lowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-30-13
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Jtah	NELAP	8	TAN	06-30-13
√irginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

TestAmerica Nashville

4/18/2013

3

1

J

9

 $^{^{\}star}$ Expired certification is currently pending renewal and is considered valid.

COOLER RECEIPT FORM



Cooler Received/Opened On 4/17/2013 @ 0830 1. Tracking # (last 4 digits, FedEx) Courier: FedEx IR Gun ID 14740456 2. Temperature of rep. sample or temp blank when opened: 3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..(N) VES...NO...NA 4. Were custody seals on outside of cooler? If yes, how many and where: 5. Were the seals intact, signed, and dated correctly? ES...NO...NA ..NO...NA 6. Were custody papers inside cooler? I certify that I opened the cooler and answered questions 1-6 (intial) YES...NO.. NA and Intact 7. Were custody seals on containers: YES., NO., NA Were these signed and dated correctly? 8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None 9. Cooling process: Ice-pack Ice (direct contact) Dry ice Other None 10. Did all containers arrive in good condition (unbroken)? ...NO...NA 11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA 12. Did all container labels and tags agree with custody papers? YES...NO...NA YES.,NO.).NA 13a. Were VOA vials received? b. Was there any observable headspace present in any VOA vial? YES...NO. (NA 14. Was there a Trip Blank in this cooler? YES. NO. NA If multiple coolers, sequence # I certify that I unloaded the cooler and answered questions 7-14 (intial) 15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO.,NA b. Did the bottle labels indicate that the correct preservatives were used YES...NO..(NA) 16. Was residual chlorine present? YES...NO. NA I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) 17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA 18. Did you sign the custody papers in the appropriate place? PES .. NO...NA 19. Were correct containers used for the analysis requested? VES...NO...NA (YES...NO...NA 20. Was sufficient amount of sample sent in each container? I certify that I entered this project into LIMS and answered questions 17-20 (intial) 1 I certify that I attached a label with the unique LIMS number to each container (intial)

21. Were there Non-Conformance issues at login? YES...NO) Was a NCM generated? YES...NO...#

	LO	6	N	00	ച		12	co.

TestAmerica Laboratory location: Chain of Custody Record

Test _f	America
THE LEADER I	N ENVIRONMENTAL TESTING

RCRA Regulatory program: DW Other NPDES NPDES Client Contact TestAmerica Laboratories, Inc. Company Name; Client Project Manager: Site Contact: Lab Contact: 20500 ENVIRONMENTAL Telephone: Telephone: ion@bay-environmental.com Analysis Turnaround Time (in BUS days) Analyses Loc: 490 24441 Method of Shipment/Carrier: Project Name: 2 weeks GRO DRO Shipping/Tracking No: Job/SDG No 2 days 12-167-01 I day PO# Matrix PH Sample Specific Notes / H2SO4 NaOH Solld Special Instructions: HC Sample Identification Sample Date | Sample Time LC-2000-4-15-2013 4/16/13 1030 Sample Disposal (A fee may be assessed if samples are retained longer than I mouth)

Return to Client Disposal By Lab Archive For Possible Hazard Identification Non-Hazard Unknown Months Special Instructions/OC Requirements & Comments: Received by Company: 1330 Relinquished Received by: Company: 1.9 0530 Relinquished by Received in Laboratory by: Company: Company:

Login Sample Receipt Checklist

Client: Bay Environmental Inc Job Number: 490-24441-1

Login Number: 24441 List Source: TestAmerica Nashville

List Number: 1

Creator: Buckingham, Paul

Cleator. Buckingham, Faui	
Question	Answer Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td>	True
The cooler's custody seal, if present, is intact.	True
Sample custody seals, if present, are intact.	N/A
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time.	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

4

5

7

10

12